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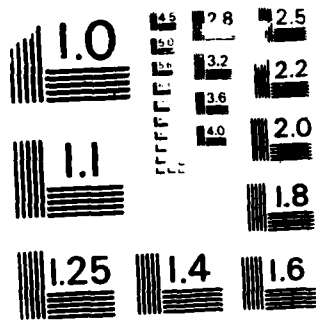
DWETS OFF TEXAS REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS (U.S. AIR FORCE ENVIRONMENTAL  
TECHNICAL SPECIFICATIONS CENTER SCOTT AFB JAN 88  
USAFETAC/DS-88/885

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

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USTX722665

USAFETAC/DS-88/005

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**OPERATING LOCATION - A**  
**USAFETAC**  
**Air Weather Service (MAC)**



**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

DYESS AFB TX MSC# 722665  
N 32 26 W 099 51 ELEV 1789 FT KDYS

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:  
HOURLY OBSERVATIONS: SEP 77 - AUG 87

SUMMARY OF DAY DATA: DEC 43 - DEC 45  
- AUG 87

JAN 0 6 1988

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**REVIEW AND APPROVAL STATEMENT**

USAFETAC/DS-88/005 DYESS AFB TX (RUSSWO) Jan 1988 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER

A handwritten signature in dark ink, appearing to read 'Walter S. Burgmann', with a long horizontal flourish extending to the right.

WALTER S. BURGMANN  
Scientific and Technical Information Program Manager



REPORT DOCUMENTATION PAGE

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3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
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- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
- 11 Title: (RUSSWO) Dyess AFB TX.
- 12 Personal Author(s):
- 13a Type of Report: Data Summary
- 13b Time Covered: Dec 43-Dec 45, Apr 56-Aug 87.
- 14 Date of Report: Jan 1988
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- 18 Subject Terms: \*climatology; \*weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Dyess AFB TX; Texas; Abilene TX; Army Airfield Abilene TX; USTX722665.
- 19 Abstract: A six-part statistical data summary of surface weather observations for: Dyess AFB TX. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
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- 22a Name of Responsible Individual: Marianne L. Cavanaugh
- 22b Telephone: (618)256-2625
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STATION NAME: DYSS AFB TX

STATION NUMBER: 722665

CALL ID: KDYS

PERIOD OF RECORD:

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: SEP 77 - AUG 87

SUMMARY OF DAY DATA: DEC 43 - DEC 45, 10 - AUG 87

TIME CONVERSION LST TO GMT: +6

DATE PRODUCED: 28 DEC 1987

OL-7/NSAF TAC/MAC/AWS  
ASHEVILLE NC 28101

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE SUMMARY IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE METHOD OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-63-001, "AN AIR FORCE USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWCI).

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PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWOSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPOSED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (1 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNICALLY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

|                       |                      |          |           |                 |           |            |
|-----------------------|----------------------|----------|-----------|-----------------|-----------|------------|
| STATION NO ON SUMMARY | STATION NAME         | LATITUDE | LONGITUDE | FIELD ELEV (FT) | CALL SIGN | WMO NUMBER |
| 722665                | Dyess AFB TX/Abilene | N 32 26  | W 099 51  | 1789 ft         | DYS       |            |

## STATION LOCATION AND INSTRUMENTATION HISTORY

| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION |        | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL |          | OBS PER DAY |
|--------------------|------------------------------|-----------------|------------------|--------|----------|-----------|---------------------|----------|-------------|
|                    |                              |                 | FROM             | TO     |          |           | FIELD (FT)          | HT BARO. |             |
| 1                  | Army Airfield/Abilene Texas  | AAF             | Dec 43           | Dec 45 | N 32 24  | W 099 51  | 1780ft              | 1792 ft  | 24          |
| 2                  | Abilene AFB Texas            | AFB             | Apr 56           | Mar 57 | N 32 26  | W 099 51  | 1789 ft             | 1777 ft  | 24          |
| 3                  | Dyess AFB Texas/Abilene      | AFB             | Apr 57           | Apr 59 | Same     | Same      | Same                | Same     | 24          |
| 4                  | Same                         | AFB             | May 59           | Nov 67 | Same     | Same      | Same                | Same     | 24          |
| 5                  | Same                         | AFB             | Dec 67           | Dec 70 | Same     | Same      | Same                | Same     | 24          |
| 6                  | Same                         | AFB             | Jan 71           | Nov 77 | Same     | Same      | Same                | 1797 ft  | 24          |
| 7                  | Same                         | AFB             | Dec 77           | Jun 82 | Same     | Same      | Same                | Same     | 24          |
| 8                  | Same                         | AFB             | Jul 82           | Aug 87 | Same     | Same      | Same                | Same     | 24          |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION  |                     |                  |                 | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE  |
|--------------------|----------------|---|---------------------|------------------|-----------------|--|
|                    |                | LOCATION  | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND |  |
| 1                  | Dec 43         | N/A   | N/A                 | N/A              | N/A             |  |
| 2                  | Apr 56         | Located 100 yds North of operating  | AN-GMQ 1            | None             | 25 ft           | M-17 Rain Gauge  |
| 3                  | Apr 58         | Located 1107 yds West of operations Bldg.   | GMQ 11              | RO-2A/GMQ 11     | 15 ft           | M-17 Rain Gauge  |
| 4                  | Dec 67         | Located North End of runway 750 ft West of centerline & 400 ft South of runway 16<br>Located South end of runway, 750 ft West of centerline & 5 ft North of runway 34 | GMQ-11              | RO-2             | 13 ft           | 8 inch Rain Gauge Temperature Humidity set (AN/TMQ-11), Rotating Beam Cellometer (AN/GMQ-13), Transmission meter (AN/GMQ-10) |
| 5                  | Mar 69         | 1. Same<br>2. Same  | Same<br>Same        | RO-362           | Same<br>Same    | 6 inch Rain Gauge  |

| NUMBER<br>OF<br>LOCATION | DATE<br>OF<br>CHANGE | SURFACE WIND EQUIPMENT INFORMATION |                        |                     |                    | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------------|----------------------|------------------------------------|------------------------|---------------------|--------------------|---|
|                          |                      | LOCATION                           | TYPE OF<br>TRANSMITTER | TYPE OF<br>RECORDER | HT ABOVE<br>GROUND |   |
| 6                        | Nov 77               | 1. Same                            | Same                   | RO-362              | Same               |   |
|                          |                      | 2. Same                            | Same                   |                     | Same               |   |
| 7                        | Jun 82               | 1. Same                            | GMQ-11                 | RO-362              | 13 ft              |   |
|                          |                      | 2. Same                            | Same                   |                     | Same               |   |
| 8                        | Unknown              | 1. Same                            | GMQ-20                 | RO-362              | 13 ft              |   |
|                          |                      | 2. Same                            |                        |                     | Same               |   |

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## WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

### WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

### ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

### DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET: SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HALE: ALL REPORTED HALE.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPLY IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY TABLES WITHIN INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .00% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE

2. METAR STATIONS (BEGINNING IN JAN 1969) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/104 AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/104, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HMC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN

| HOURLS<br>(LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG  | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/CBS1<br>TO<br>VISION | TOTAL<br>OBS |
|-----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02           | .4    | 4.3                     | 1.9                               | 3.5                   |      | 9.6                     | 9.6  |                       |                 |                      | 9.6                             | 930          |
| 03-05           |       | 4.5                     | 2.0                               | 2.7                   |      | 8.9                     | 10.3 |                       |                 |                      | 10.3                            | 930          |
| 06-08           |       | 5.1                     | 2.2                               | 3.8                   |      | 10.3                    | 11.2 |                       | .2              |                      | 11.4                            | 930          |
| 09-11           | .2    | 4.4                     | 1.9                               | 3.3                   |      | 9.5                     | 13.4 | .3                    | .1              |                      | 13.9                            | 930          |
| 12-14           | .1    | 3.9                     | 1.3                               | 4.6                   |      | 9.1                     | 8.6  |                       | .3              | .4                   | 9.4                             | 930          |
| 15-17           |       | 4.9                     | 1.6                               | 3.5                   |      | 8.9                     | 8.0  | .2                    | .2              | .5                   | 8.9                             | 930          |
| 18-20           |       | 4.3                     | 1.7                               | 2.4                   |      | 8.0                     | 9.5  | .1                    | .3              | 1.0                  | 10.8                            | 930          |
| 21-23           |       | 5.1                     | 1.6                               | 3.9                   |      | 9.8                     | 8.1  |                       | .3              | .2                   | 8.6                             | 930          |
| TOTALS          | .1    | 4.6                     | 1.7                               | 3.5                   |      | 9.3                     | 9.8  | .1                    | .2              | .3                   | 10.4                            | 7440         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB

| HOURLS<br>(LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG  | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/CBS1<br>TO<br>VISION | TOTAL<br>OBS |
|-----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02           | .6    | 6.4                     | 2.7                               | 2.7                   |      | 11.1                    | 11.8 | .5                    | .1              | .1                   | 12.5                            | 846          |
| 03-05           | .6    | 4.5                     | 1.3                               | 4.3                   |      | 8.9                     | 13.0 | .1                    | .2              |                      | 13.1                            | 846          |
| 06-08           | .1    | 6.4                     | .7                                | 4.1                   |      | 14.8                    | 16.0 | .1                    |                 |                      | 16.1                            | 846          |
| 09-11           |       | 7.2                     | .7                                | 4.8                   |      | 12.1                    | 14.7 | .2                    |                 | .1                   | 15.0                            | 846          |
| 12-14           |       | 7.3                     | .5                                | 3.1                   |      | 10.4                    | 9.6  |                       | .2              | 1.3                  | 11.1                            | 846          |
| 15-17           | .6    | 5.9                     | .9                                | 3.5                   |      | 9.2                     | 8.3  | .2                    | .2              | 2.8                  | 11.6                            | 846          |
| 18-20           | .5    | 6.9                     | .8                                | 4.3                   |      | 11.1                    | 9.6  | .4                    |                 | 2.4                  | 12.3                            | 846          |
| 21-23           | .6    | 8.2                     | 1.7                               | 2.8                   |      | 11.8                    | 11.7 | .8                    |                 | .5                   | 13.0                            | 846          |
| TOTALS          | .4    | 6.6                     | 1.2                               | 3.7                   |      | 10.7                    | 11.8 | .3                    | .1              | .9                   | 13.1                            | 6768         |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAZ | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|-----|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | 1.0   | 5.0                     | .1                                | .3                    |     | 5.6                     | 4.5 | .1                    |                 | .3                   | 4.9                             | 930          |
| 03-05          | .2    | 4.5                     | .1                                | .0                    |     | 5.5                     | 6.3 |                       |                 |                      | 6.3                             | 930          |
| 06-08          | .2    | 0.0                     | .1                                |                       |     | 6.6                     | 7.8 | .2                    |                 |                      | 8.1                             | 930          |
| 09-11          | .4    | 5.1                     |                                   | .3                    |     | 5.4                     | 5.7 | .1                    |                 | .1                   | 5.9                             | 930          |
| 12-14          | .3    | 4.7                     |                                   | .1                    |     | 4.5                     | 3.2 | .5                    |                 | 1.3                  | 5.1                             | 930          |
| 15-17          | .9    | 3.4                     |                                   |                       | .2  | 3.4                     | 2.3 | .3                    |                 | 3.3                  | 5.7                             | 930          |
| 18-20          | 1.0   | 3.5                     |                                   | .3                    | .1  | 3.9                     | 1.7 | .4                    |                 | 3.4                  | 5.6                             | 930          |
| 21-23          | .9    | 3.7                     |                                   |                       |     | 3.7                     | 2.9 | .3                    |                 | 1.3                  | 4.5                             | 930          |
| TOTALS         | .6    | 4.0                     | .0                                | .2                    | .0  | 4.9                     | 4.3 | .2                    |                 | 1.2                  | 5.8                             | 7440         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAZ | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|-----|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | .9    | 3.0                     |                                   |                       |     | 3.6                     | 3.1 | .1                    |                 | 1.4                  | 4.7                             | 900          |
| 03-05          | 1.1   | 4.9                     |                                   |                       | .1  | 4.9                     | 4.9 | .1                    |                 | .6                   | 5.6                             | 900          |
| 06-08          | 1.2   | 3.7                     |                                   |                       | .1  | 3.7                     | 6.7 |                       |                 | 1.2                  | 7.9                             | 900          |
| 09-11          | .3    | 2.0                     |                                   |                       |     | 2.0                     | 3.0 | .1                    |                 | 1.1                  | 4.2                             | 900          |
| 12-14          | .4    | 2.0                     |                                   |                       |     | 2.0                     | 1.1 | .1                    |                 | 1.7                  | 2.9                             | 900          |
| 15-17          | 1.7   | 2.3                     |                                   |                       |     | 3.3                     | .5  |                       |                 | 3.0                  | 3.8                             | 900          |
| 18-20          | 1.4   | 3.2                     |                                   |                       |     | 3.2                     | 1.1 |                       |                 | 3.7                  | 4.8                             | 900          |
| 21-23          | .7    | 3.4                     |                                   |                       |     | 3.4                     | 1.6 |                       |                 | 2.1                  | 3.7                             | 900          |
| TOTALS         | 1.0   | 3.3                     |                                   |                       | .0  | 3.3                     | 2.8 | .1                    |                 | 1.9                  | 4.7                             | 7200         |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OP<br>GRIZZLE | FRZING<br>RAIN<br>E/OP<br>GRIZZLE | SNOW<br>E/OP<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OP<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OP<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | 2.8   | 5.9                     |                                   |                       | .1   | 5.9                     | 2.0 | .4                    |                 | .1                   | 2.5                             | 930          |
| 03-05          | 3.0   | 6.3                     |                                   |                       |      | 6.3                     | 5.2 |                       |                 |                      | 5.2                             | 930          |
| 06-08          | 2.2   | 5.8                     |                                   |                       |      | 5.8                     | 6.6 | .3                    |                 |                      | 6.9                             | 930          |
| 09-11          | 1.0   | 4.6                     |                                   |                       |      | 4.8                     | 3.0 | .2                    |                 |                      | 3.1                             | 930          |
| 12-14          | 1.2   | 5.5                     |                                   |                       | .1   | 5.5                     | 2.2 | .4                    |                 | .3                   | 2.6                             | 930          |
| 15-17          | 3.2   | 4.5                     |                                   |                       |      | 4.5                     | 1.0 | .1                    |                 | 1.2                  | 2.2                             | 930          |
| 18-20          | 4.4   | 5.3                     |                                   |                       |      | 5.3                     | .5  | .3                    |                 | .8                   | 1.5                             | 930          |
| 21-23          | 4.6   | 6.0                     |                                   |                       |      | 6.0                     | 1.0 | .4                    |                 |                      | 1.4                             | 930          |
| TOTALS         | 2.8   | 5.5                     |                                   |                       | .0   | 5.5                     | 2.7 | .3                    |                 | .3                   | 3.2                             | 7440         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OP<br>GRIZZLE | FRZING<br>RAIN<br>E/OP<br>GRIZZLE | SNOW<br>E/OP<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OP<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OP<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | 4.1   | 5.0                     |                                   |                       |      | 5.0                     | 1.7 |                       |                 |                      | 1.7                             | 900          |
| 03-05          | 2.4   | 4.7                     |                                   |                       |      | 4.7                     | 2.6 |                       |                 |                      | 2.6                             | 900          |
| 06-08          | 1.4   | 4.3                     |                                   |                       |      | 4.3                     | 3.4 |                       |                 |                      | 3.4                             | 900          |
| 09-11          | 1.4   | 3.7                     |                                   |                       |      | 3.7                     | 1.7 | .1                    |                 |                      | 1.7                             | 900          |
| 12-14          | .8    | 2.2                     |                                   |                       |      | 2.2                     | .7  | .1                    |                 |                      | .8                              | 900          |
| 15-17          | 2.1   | 3.1                     |                                   |                       |      | 3.1                     |     |                       |                 | .1                   | .1                              | 900          |
| 18-20          | 3.3   | 4.1                     |                                   |                       |      | 4.1                     |     |                       |                 |                      |                                 | 900          |
| 21-23          | 4.2   | 4.0                     |                                   |                       |      | 4.8                     | .4  |                       |                 | .2                   | .7                              | 900          |
| TOTALS         | 2.5   | 4.0                     |                                   |                       |      | 4.0                     | 1.3 | .0                    |                 | .0                   | 1.4                             | 7200         |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL

| HOURLS<br>(LST) | TSTMS | RAIN<br>E/OR<br>GRIZZLE | FRZING<br>RAIN<br>E/OR<br>GRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|-----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02           | 1.4   | 1.3                     |                                   |                       |      | 1.3                     | .2  | .4                    |                 |                      | .6                              | 930          |
| 03-05           | 1.6   | 2.3                     |                                   |                       |      | 2.3                     | .5  | .6                    |                 |                      | 1.2                             | 930          |
| 06-08           | 1.4   | 2.2                     |                                   |                       |      | 2.2                     | 1.0 | 1.2                   |                 |                      | 2.2                             | 930          |
| 09-11           | .9    | 2.6                     |                                   |                       |      | 2.6                     | 1.3 | .4                    |                 |                      | 1.7                             | 930          |
| 12-14           | 1.6   | 3.0                     |                                   |                       |      | 3.0                     | .4  |                       |                 |                      | .4                              | 930          |
| 15-17           | 3.2   | 3.6                     |                                   |                       |      | 3.6                     |     |                       |                 |                      |                                 | 930          |
| 18-20           | 1.9   | 2.6                     |                                   |                       |      | 2.6                     |     | .2                    |                 |                      | .2                              | 930          |
| 21-23           | 1.3   | 1.6                     |                                   |                       |      | 1.6                     |     |                       |                 |                      |                                 | 930          |
| TOTALS          | 1.7   | 2.5                     |                                   |                       |      | 2.5                     | .4  | .4                    |                 |                      | .8                              | 7440         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG

| HOURLS<br>(LST) | TSTMS | RAIN<br>E/OR<br>GRIZZLE | FRZING<br>RAIN<br>E/OR<br>GRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|-----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02           | .6    | 1.8                     |                                   |                       |      | 1.8                     | .9  |                       |                 |                      | .9                              | 930          |
| 03-05           | 1.4   | 2.9                     |                                   |                       |      | 2.9                     | 1.1 | .3                    |                 |                      | 1.3                             | 930          |
| 06-08           | 1.4   | 3.7                     |                                   |                       |      | 3.7                     | 2.2 | .3                    |                 |                      | 2.3                             | 930          |
| 09-11           | .4    | 3.3                     |                                   |                       |      | 3.3                     | 1.8 | .1                    |                 |                      | 1.9                             | 930          |
| 12-14           | .6    | 1.5                     |                                   |                       |      | 1.5                     | .6  |                       |                 |                      | .6                              | 930          |
| 15-17           | 3.1   | 3.0                     |                                   |                       |      | 3.0                     | .2  |                       |                 |                      | .2                              | 930          |
| 18-20           | 2.0   | 3.1                     |                                   |                       |      | 3.1                     |     |                       |                 |                      |                                 | 927          |
| 21-23           | 1.3   | 3.5                     |                                   |                       |      | 3.5                     | .4  |                       |                 |                      | .4                              | 927          |
| TOTALS          | 1.4   | 2.9                     |                                   |                       |      | 2.9                     | .4  | .1                    |                 |                      | 1.0                             | 7434         |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | FAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | .4    | 6.0                     |                                   |                       |      | 6.0                     | 4.1 | .7                    |                 |                      | 4.4                             | 900          |
| 03-05          | .2    | 5.3                     |                                   |                       |      | 5.3                     | 6.6 | .6                    |                 |                      | 6.9                             | 900          |
| 06-08          | .6    | 6.6                     |                                   |                       |      | 6.6                     | 9.6 | .4                    |                 | .3                   | 10.0                            | 900          |
| 09-11          | .2    | 3.9                     |                                   |                       |      | 3.9                     | 4.7 | .4                    |                 | .3                   | 5.4                             | 900          |
| 12-14          | .7    | 4.2                     |                                   |                       |      | 4.2                     | 2.1 | .1                    |                 | .2                   | 2.4                             | 900          |
| 15-17          | 1.9   | 4.6                     |                                   |                       |      | 4.6                     | 1.9 | .6                    |                 | .2                   | 2.7                             | 900          |
| 18-20          | 1.7   | 4.7                     |                                   |                       |      | 4.7                     | 1.8 | 1.0                   |                 |                      | 2.8                             | 900          |
| 21-23          | 1.4   | 4.1                     |                                   |                       |      | 4.1                     | 1.4 | .7                    |                 |                      | 2.1                             | 900          |
| TOTALS         | .9    | 5.0                     |                                   |                       |      | 5.0                     | 4.1 | .6                    |                 | .1                   | 4.6                             | 7200         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OR<br>DRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | FAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | 1.8   | 6.2                     |                                   |                       |      | 6.2                     | 4.3 |                       |                 |                      | 4.3                             | 930          |
| 03-05          | 2.3   | 7.7                     |                                   |                       |      | 7.7                     | 5.4 |                       |                 | .1                   | 5.5                             | 930          |
| 06-08          | .8    | 7.6                     |                                   |                       |      | 7.6                     | 8.0 | .1                    |                 | .4                   | 8.5                             | 930          |
| 09-11          | .5    | 5.3                     |                                   |                       |      | 5.3                     | 3.9 | .1                    |                 | .5                   | 4.4                             | 930          |
| 12-14          | .3    | 4.4                     |                                   |                       | .1   | 4.4                     | .9  |                       |                 | .3                   | 1.2                             | 930          |
| 15-17          | .6    | 4.1                     |                                   |                       |      | 4.1                     | 1.4 |                       |                 | .2                   | 1.6                             | 930          |
| 18-20          | .8    | 5.1                     |                                   |                       |      | 5.1                     | 2.0 | .3                    |                 |                      | 2.2                             | 930          |
| 21-23          | 1.4   | 6.3                     |                                   |                       |      | 6.3                     | 3.0 | .1                    |                 |                      | 3.0                             | 930          |
| TOTALS         | 1.1   | 5.8                     |                                   |                       | .0   | 5.8                     | 3.6 | .1                    |                 | .2                   | 3.8                             | 7440         |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OR<br>CRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/CBS1<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|-----|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | .8    | 6.0                     | .1                                | .7                    |      | 6.6                     | 6.7 |                       |                 |                      | 6.7                             | 900          |
| 03-05          | .7    | 6.7                     | .1                                | .6                    |      | 7.2                     | 7.7 |                       |                 |                      | 7.7                             | 900          |
| 06-08          | .4    | 6.9                     |                                   | 1.1                   |      | 7.4                     | 9.0 |                       |                 |                      | 9.0                             | 900          |
| 09-11          | .1    | 6.3                     |                                   | 1.1                   |      | 7.0                     | 8.4 | .3                    |                 |                      | 8.8                             | 900          |
| 12-14          | .1    | 5.6                     |                                   | 1.2                   |      | 6.4                     | 5.3 | .2                    |                 |                      | 5.6                             | 900          |
| 15-17          |       | 5.0                     | .1                                | .8                    |      | 5.8                     | 4.6 |                       |                 | .4                   | 5.0                             | 900          |
| 18-20          | .4    | 4.3                     | .6                                | .3                    |      | 5.2                     | 3.9 |                       |                 |                      | 3.9                             | 900          |
| 21-23          | .3    | 5.0                     | .1                                | .6                    |      | 5.7                     | 5.3 |                       |                 |                      | 5.3                             | 900          |
| TOTALS         | .4    | 5.7                     | .1                                | .8                    |      | 6.4                     | 6.4 | .1                    |                 | .1                   | 6.5                             | 7200         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OR<br>CRIZZLE | FRZING<br>RAIN<br>E/OR<br>DRIZZLE | SNOW<br>E/OR<br>SLEET | HAIL | % OBS<br>WITH<br>PRECIP | FOG  | SMOKE<br>E/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OR<br>SAND | % OBS<br>W/CBS1<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02          | .2    | 6.6                     | 1.8                               | 1.6                   |      | 9.8                     | 10.1 |                       | .3              | .4                   | 10.5                            | 930          |
| 03-05          |       | 6.8                     | 2.3                               | 1.6                   |      | 10.4                    | 11.7 |                       | .1              | .5                   | 12.4                            | 930          |
| 06-08          |       | 7.6                     | 1.4                               | 2.2                   |      | 10.4                    | 13.0 |                       |                 | .2                   | 13.2                            | 930          |
| 09-11          |       | 5.7                     | 1.0                               | 2.7                   |      | 8.9                     | 12.4 |                       |                 | .1                   | 12.5                            | 930          |
| 12-14          |       | 5.4                     | 1.1                               | 2.7                   |      | 9.0                     | 8.5  | .2                    | .3              | .6                   | 9.2                             | 930          |
| 15-17          |       | 6.0                     | 1.1                               | 1.9                   |      | 8.9                     | 8.1  | .1                    | .5              | 1.6                  | 9.8                             | 930          |
| 18-20          |       | 3.7                     | 1.5                               | 2.2                   |      | 7.0                     | 8.3  |                       | .1              | 1.3                  | 9.6                             | 930          |
| 21-23          |       | 4.5                     | 1.3                               | 1.6                   |      | 7.3                     | 9.6  |                       | .2              | .4                   | 10.0                            | 930          |
| TOTALS         | .2    | 5.8                     | 1.4                               | 2.1                   |      | 9.0                     | 10.2 | .0                    | .2              | .6                   | 10.9                            | 7440         |

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87  
MONTH: ALL

| HOURS<br>(LST) | TSTMS | RAIN<br>E/OP<br>GRIZZLE | FRZING<br>RAIN<br>E/OP<br>GRIZZLE | SNOW<br>E/OP<br>SLEET | FAIL | % OBS<br>WITH<br>PRECIP | FOG  | SMOKE<br>E/OP<br>HAZE | BLOWING<br>SNOW | DUST<br>E/OP<br>SAND | % OBS<br>W/CBST<br>TO<br>VISION | TOTAL<br>OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| JAN ALL        | .1    | 4.6                     | 1.7                               | 3.5                   |      | 9.3                     | 9.8  | .1                    | .2              | .3                   | 10.4                            | 7440         |
| FEB            | .4    | 6.6                     | 1.2                               | 3.7                   |      | 10.7                    | 11.8 | .3                    | .1              | .9                   | 13.1                            | 6768         |
| MAR            | .6    | 4.6                     | .0                                | .2                    | .0   | 4.9                     | 4.3  | .2                    |                 | 1.2                  | 5.8                             | 7440         |
| APR            | 1.0   | 3.3                     |                                   |                       | .0   | 3.3                     | 2.8  | .1                    |                 | 1.9                  | 4.7                             | 7200         |
| MAY            | 2.8   | 5.5                     |                                   |                       | .0   | 5.5                     | 2.7  | .3                    |                 | .3                   | 3.2                             | 7440         |
| JUN            | 2.5   | 4.0                     |                                   |                       |      | 4.0                     | 1.3  | .0                    |                 | .0                   | 1.4                             | 7200         |
| JUL            | 1.7   | 2.5                     |                                   |                       |      | 2.5                     | .4   | .4                    |                 |                      | .8                              | 7440         |
| AUG            | 1.4   | 2.9                     |                                   |                       |      | 2.9                     | .9   | .1                    |                 |                      | 1.0                             | 7434         |
| SEP            | .9    | 5.6                     |                                   |                       |      | 5.0                     | 4.1  | .6                    |                 | .1                   | 4.6                             | 7200         |
| OCT            | 1.1   | 5.8                     |                                   |                       | .0   | 5.8                     | 3.6  | .1                    |                 | .2                   | 3.8                             | 7440         |
| NOV            | .4    | 5.7                     | .1                                | .8                    |      | 6.4                     | 6.4  | .1                    |                 | .1                   | 6.5                             | 7200         |
| DEC            | .0    | 5.8                     | 1.4                               | 2.1                   |      | 9.0                     | 10.2 | .0                    | .2              | .6                   | 10.9                            | 7440         |
| TOTALS         | 1.1   | 4.7                     | .4                                | .9                    | .0   | 5.8                     | 4.9  | .2                    | .0              | .5                   | 5.5                             | 87642        |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 56-87  
MONTH: ALL

| MONTH  | TSTMS | RAIN<br>E/GR<br>GRIZZLE | FRZING<br>RAIN<br>E/GR<br>GRIZZLE | SNO-<br>E/GR<br>SLEET | FAIL | % OBS<br>WITH<br>PRECIP | FOG  | SMOKE<br>E/GR<br>HAZE | BLOWING<br>SNOW | DUST<br>E/GR<br>SAND | % OBS<br>W/OBST<br>TO<br>VISION | TOTAL<br>OBS |
|--------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| JAN    | 1.9   | 22.7                    | 6.9                               | 11.0                  |      | 27.2                    | 21.2 | 1.5                   | 1.3             | .2                   | 22.0                            | 961          |
| FEB    | 5.3   | 28.7                    | 5.6                               | 9.7                   | .7   | 31.8                    | 23.1 | 2.9                   | .9              | .3                   | 24.5                            | 875          |
| MAR    | 8.9   | 26.3                    | 1.1                               | 4.1                   | 1.7  | 28.1                    | 15.4 | 2.0                   | .3              | .4                   | 17.1                            | 961          |
| APR    | 17.2  | 29.4                    | .2                                | .1                    | 2.6  | 29.4                    | 13.9 | 1.8                   |                 | .4                   | 14.9                            | 936          |
| MAY    | 25.1  | 36.7                    |                                   |                       | 3.5  | 26.7                    | 13.1 | 1.9                   |                 |                      | 13.9                            | 992          |
| JUN    | 20.2  | 28.0                    |                                   |                       | 1.8  | 28.6                    | 5.8  | .7                    |                 | .1                   | 6.4                             | 960          |
| JUL    | 15.6  | 22.2                    |                                   |                       | .2   | 22.2                    | 3.2  | 1.6                   |                 | .1                   | 4.4                             | 991          |
| AUG    | 18.5  | 26.9                    |                                   |                       | .3   | 26.9                    | 5.2  | 1.2                   |                 | .1                   | 5.7                             | 992          |
| SEP    | 12.3  | 20.8                    |                                   |                       | .3   | 26.8                    | 15.1 | 2.6                   |                 |                      | 16.0                            | 930          |
| OCT    | 9.9   | 26.3                    |                                   | .2                    | .6   | 26.3                    | 16.0 | 1.5                   |                 |                      | 16.3                            | 961          |
| NOV    | 4.8   | 25.2                    | .0                                | 2.6                   | .6   | 25.9                    | 17.2 | .9                    |                 | .1                   | 17.4                            | 929          |
| DEC    | 1.7   | 23.8                    | 5.2                               | 7.0                   | .5   | 26.0                    | 21.0 | 1.7                   | .5              | .3                   | 21.5                            | 961          |
| TOTALS | 11.7  | 27.3                    | 1.7                               | 3.0                   | 1.1  | 26.3                    | 14.2 | 1.7                   | .2              | .2                   | 15.0                            | 11449        |



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#### PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

##### PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF "0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

##### EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "\*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: "0.0" EQUALS NONE FOR THE MONTH (HUNDRETHS)

EXTREME DAILY SNOWFALL: "0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

##### TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

AMOUNTS IN INCHES

| MONTH | NONE | TRACE | .01 | .02 | .05 | .10 | .11 | .25 | .51 | 1.01 | 2.51 | 5.01 | 10.01 | OVER | % DAYS<br>WITH<br>MEAS<br>AMTS | TOTAL<br>OBS | MONTHLY AMOUNTS |          |       |
|-------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|------|------|-------|------|--------------------------------|--------------|-----------------|----------|-------|
|       |      |       |     |     |     |     |     |     |     |      |      |      |       |      |                                |              | MEAN            | GREATEST | LEAST |
| JAN   | 72.8 | 11.8  | 2.2 | 3.6 | 2.7 | 2.9 | 1.8 | 1.1 | 1.0 |      |      |      |       |      | 15.3                           | 1023         | 1.08            | 5.30     | .01   |
| FEB   | 67.5 | 14.5  | 2.4 | 4.8 | 2.3 | 3.1 | 3.0 | 3.4 | .3  |      |      |      |       |      | 18.2                           | 932          | 1.14            | 3.49     | TRACE |
| MAR   | 71.1 | 13.5  | 2.7 | 3.6 | 1.9 | 3.6 | 1.7 | 2.2 | .7  |      |      |      |       |      | 15.4                           | 1023         | 1.23            | 3.98     | .06   |
| APR   | 70.2 | 10.5  | 1.6 | 3.5 | 2.5 | 3.7 | 2.7 | 3.5 | 1.5 | .1   | .1   |      |       |      | 19.3                           | 996          | 2.22            | 10.19    | TRACE |
| MAY   | 62.5 | 13.3  | 2.1 | 3.5 | 2.8 | 4.9 | 3.3 | 4.0 | 3.0 | .2   |      |      |       |      | 24.2                           | 1054         | 3.28            | 14.70    | .21   |
| JUN   | 71.0 | 10.5  | 1.7 | 2.2 | 1.4 | 3.2 | 3.9 | 3.9 | 2.0 | .3   |      |      |       |      | 18.5                           | 1020         | 2.63            | 7.38     | TRACE |
| JUL   | 78.3 | 8.9   | .9  | 2.0 | 1.8 | 2.5 | 2.8 | 2.6 | 2.1 | .1   | .1   |      |       |      | 14.8                           | 1054         | 2.29            | 8.57     | TRACE |
| AUG   | 73.5 | 13.1  | 1.2 | 2.9 | 2.7 | 2.9 | 2.7 | 2.5 | 2.6 | .1   | .1   |      |       |      | 17.0                           | 1054         | 2.55            | 6.92     | TRACE |
| SEP   | 69.8 | 10.1  | 2.1 | 2.8 | 2.0 | 4.2 | 2.9 | 2.5 | 2.7 | .7   |      |      |       |      | 20.1                           | 990          | 3.03            | 10.92    | TRACE |
| OCT   | 73.5 | 7.7   | 1.6 | 2.6 | 1.3 | 4.9 | 2.7 | 2.5 | 2.7 | .4   |      |      |       |      | 18.8                           | 1023         | 2.95            | 9.73     | .22   |
| NOV   | 74.2 | 10.2  | 1.7 | 2.6 | 2.9 | 2.9 | 3.1 | 1.1 | 1.0 | .1   |      |      |       |      | 15.6                           | 990          | 1.33            | 4.44     | .01   |
| DEC   | 73.1 | 11.2  | 1.6 | 4.2 | 2.7 | 3.0 | 2.1 | 1.6 | .6  |      |      |      |       |      | 15.7                           | 1054         | 1.03            | 3.25     | .01   |
| ANN   | 71.2 | 11.7  | 1.7 | 3.2 | 2.2 | 3.5 | 2.7 | 3.5 | 1.7 | .2   | .0   |      |       |      | 17.7                           | 12213        | 24.76           |          |       |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| YEAR | 24 HOUR AMOUNTS IN INCHES<br>-M-O-N-T-H- |       |      |       |      |       |       |       |       |      |      |      | ALL<br>MONTHS |
|------|--|-------|------|-------|------|-------|-------|-------|-------|------|------|------|---------------|
|      | JAN                                      | FEB   | MAR  | APR   | MAY  | JUN   | JUL   | AUG   | SEP   | OCT  | NOV  | DEC  |               |
| 43   |  |       |      |       |      |       |       |       |       |      |      | .64  |               |
| 44   | .86                                      | 1.55  | .66  | .40   | 1.70 | .71   | 1.61  | 1.10  | .80   | 2.05 | .54  | .74  | 2.05          |
| 45   | .17                                      | .40   | 1.12 | .89   | 1.16 | 2.67  | 1.49  | 2.13  | .97   | 1.39 | .59  | .64  | 2.67          |
| 56   |  |       |      | *1.18 | .11  | TRACE | .34   | .05   | .04   | 1.10 | .34  | .70  |               |
| 57   | .34                                      | .96   | .47  | 5.90  | 2.00 | .71   | .53   | .17   | 2.34  | 2.07 | .56  | .24  | 5.90          |
| 58   | .35                                      | .98   | .41  | 1.68  | 1.48 | 1.55  | .74   | 1.21  | 2.46  | .37  | .20  | .10  | 2.46          |
| 59   | .02                                      | .13   | .13  | .28   | 1.00 | .91   | 2.74  | .51   | .73   | 4.83 | .42  | .54  | 4.83          |
| 60   | 1.12                                     | .37   | .22  | .80   | 1.10 | .60   | 2.08  | 1.55  | 1.04  | 1.31 | .01  | 1.06 | 2.08          |
| 61   | 1.55                                     | .72   | .22  | TRACE | .92  | 1.71  | .74   | .37   | 3.35  | .60  | 1.21 | .12  | 3.35          |
| 62   | .01                                      | .02   | .74  | .91   | .46  | 1.50  | 2.43  | 1.29  | 1.70  | .95  | .28  | .56  | 2.43          |
| 63   | .23                                      | .37   | .37  | .95   | 4.59 | .53   | .23   | 1.19  | .46   | .36  | 1.19 | .11  | 4.59          |
| 64   | 1.15                                     | 1.45  | .93  | 1.31  | .45  | .56   | .50   | 2.11  | .88   | .81  | 1.19 | .18  | 2.11          |
| 65   | .66                                      | .51   | .17  | 1.91  | 2.11 | .64   | .52   | .72   | 2.51  | 2.07 | 1.58 | .31  | 2.51          |
| 66   | .29                                      | .39   | .23  | 2.81  | .21  | 1.16  | .11   | 1.07  | 1.26  | 1.95 | .24  | .06  | 2.81          |
| 67   | .03                                      | .14   | .91  | .34   | 1.87 | 2.16  | .95   | TRACE | 2.57  | 1.72 | 1.43 | .80  | 2.57          |
| 68   | 1.71                                     | .70   | 1.19 | .67   | .40  | .72   | 1.43  | 1.10  | .47   | .13  | 1.94 | .12  | 1.94          |
| 69   | .43                                      | 1.00  | .83  | .67   | 2.94 | 2.06  | TRACE | .71   | 2.54  | .33  | .44  | .88  | 2.94          |
| 70   | .25                                      | .50   | .70  | .81   | 1.32 | 2.87  | .17   | .25   | 2.00  | .23  | .07  | .16  | 2.87          |
| 71   | .21                                      | .16   | .06  | 1.92  | 1.35 | .51   | 2.11  | 2.42  | 2.38  | .67  | .34  | .55  | 2.42          |
| 72   | .42                                      | .01   | .34  | 1.10  | 1.51 | 1.14  | .28   | 2.05  | .56   | 1.53 | .10  | .03  | 2.05          |
| 73   | 1.25                                     | .81   | .72  | .54   | .27  | 1.16  | 1.16  | .35   | 2.46  | .64  | .06  | .01  | 2.46          |
| 74   | .21                                      | .68   | 1.05 | 1.07  | .34  | .46   | .12   | 2.48  | 3.43  | 1.69 | .30  | .47  | 3.43          |
| 75   | .18                                      | .74   | 1.02 | .24   | 1.39 | .62   | 5.54  | 1.04  | 1.10  | .77  | 2.72 | .72  | 5.54          |
| 76   | .01                                      | TRACE | .11  | 1.13  | .59  | .47   | 1.44  | .90   | 3.03  | 1.37 | .46  | .07  | 3.03          |
| 77   | .60                                      | .13   | 2.31 | 1.90  | .20  | .79   | 1.69  | 1.12  | TRACE | .75  | .14  | .15  | 2.31          |
| 78   | .22                                      | .61   | .09  | .92   | .65  | .76   | .95   | 6.78  | 1.05  | 1.06 | .33  | .19  | 6.78          |
| 79   | .44                                      | .47   | .78  | .61   | 1.26 | 4.23  | .89   | .72   | .14   | .54  | .26  | 1.26 | 4.23          |
| 80   | .49                                      | .27   | .53  | .65   | 1.86 | .71   | .37   | .94   | 1.56  | .77  | .89  | 1.03 | 1.86          |
| 81   | 1.03                                     | .92   | 1.58 | .97   | .44  | 2.36  | 2.09  | .82   | .99   | 2.72 | .24  | .15  | 2.72          |
| 82   | .41                                      | .58   | .37  | .27   | 1.77 | .98   | .80   | 1.32  | .94   | .50  | .90  | .39  | 1.77          |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-67

| 24 HOUR AMOUNTS IN INCHES |      |      |      |       |       |       |       |       |       |       |      |      |            |
|---------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------------|
| YEAR                      | JAN  | FEB  | MAR  | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV  | DEC  | ALL MONTHS |
| 43                        | 1.11 | .12  | .78  | .10   | .82   | .64   | 1.36  | TRACE | .18   | 2.31  | 1.75 | .23  | 2.31       |
| 44                        | .85  | .22  | .12  | .13   | .12   | .15   | .33   | .77   | 1.40  | 1.17  | .84  | 1.04 | 1.40       |
| 45                        | .83  | .38  | .78  | 1.27  | 1.33  | 2.14  | 2.05  | 1.07  | 1.15  | 3.60  | .30  | .05  | 3.60       |
| 46                        | .02  | .90  | .40  | .54   | 1.27  | 2.29  | .96   | 1.75  | 1.74  | 3.00  | 1.20 | .88  | 3.00       |
| 47                        | .23  | 1.02 | 1.67 | .76   | 2.01  | 1.04  | 1.20  | 2.54  |       |       |      |      |            |
| MEAN                      | .505 | .554 | .656 | 1.042 | 1.209 | 1.218 | 1.175 | 1.253 | 1.462 | 1.375 | .698 | .446 | 1.035      |
| S.D.                      | .519 | .394 | .520 | 1.075 | .913  | .922  | 1.066 | 1.208 | .975  | 1.048 | .640 | .362 | 1.273      |
| TOTAL OBS                 | 1123 | 932  | 1023 | 996   | 1054  | 1020  | 1054  | 1054  | 990   | 1023  | 990  | 1054 | 12213      |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-67

| YEAR | TOTAL MONTHLY PRECIPITATION IN INCHES |       |      |       |       |       |       |       |       |      |      |      | ALL MONTHS |
|------|---------------------------------------|-------|------|-------|-------|-------|-------|-------|-------|------|------|------|------------|
|      | JAN                                   | FEB   | MAR  | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT  | NOV  | DEC  |            |
| 43   |                                       |       |      |       |       |       |       |       |       |      |      | 1.75 |            |
| 44   | 1.36                                  | 2.76  | 1.34 | .71   | 5.57  | 1.00  | 3.80  | 2.55  | 1.16  | 2.07 | 1.47 | 2.09 | 24.90      |
| 45   | .34                                   | 1.00  | 2.97 | 1.56  | 2.96  | 5.33  | 4.69  | 3.75  | 1.42  | 3.73 | .59  | .69  | 29.08      |
| 56   |                                       |       |      | 1.18  | .21   | TRACE | .56   | .06   | .05   | 2.58 | .49  | .88  |            |
| 57   | .00                                   | 1.62  | .70  | 10.18 | 14.70 | 1.93  | 1.25  | .34   | 3.55  | 2.99 | 1.72 | .40  | 40.19      |
| 58   | 1.24                                  | 1.90  | 1.67 | 3.58  | 3.33  | 2.38  | 1.68  | 2.85  | 4.41  | 1.57 | .42  | .11  | 25.14      |
| 59   | .04                                   | .35   | .13  | .55   | 2.74  | 3.54  | 7.11  | .54   | 1.37  | 5.20 | .45  | 1.70 | 24.12      |
| 60   | 2.23                                  | .71   | .24  | 1.95  | 2.71  | 1.80  | 2.97  | 3.91  | 1.42  | 3.47 | .01  | 3.25 | 23.62      |
| 61   | 3.93                                  | 1.66  | .69  | TRACE | 1.57  | 7.38  | 4.38  | .63   | 6.03  | 1.29 | 3.67 | .31  | 31.84      |
| 62   | .03                                   | .73   | 1.47 | 2.07  | .55   | 5.56  | 4.22  | 1.37  | 3.40  | 1.15 | .56  | 1.01 | 21.38      |
| 63   | .04                                   | .49   | .07  | 1.71  | 9.07  | 1.23  | .40   | 3.14  | .50   | .44  | 2.17 | .35  | 19.66      |
| 64   | 2.11                                  | 2.48  | 1.62 | 2.61  | 1.26  | 1.00  | .50   | 4.94  | 1.67  | 1.06 | 2.01 | .19  | 21.65      |
| 65   | 1.17                                  | 1.36  | .22  | 3.16  | 6.58  | 2.42  | .69   | 1.29  | 6.31  | 3.06 | 1.62 | .95  | 28.83      |
| 66   | .78                                   | .75   | .51  | 7.39  | .63   | 2.16  | .11   | 4.92  | 3.14  | 2.20 | .25  | .10  | 22.97      |
| 67   | .03                                   | .15   | 1.04 | .98   | 2.99  | 3.22  | 1.79  | TRACE | 5.07  | 2.63 | 3.09 | 1.49 | 22.48      |
| 68   | 5.30                                  | 3.49  | 3.69 | 2.51  | 1.80  | 1.04  | 2.77  | 1.48  | .83   | .22  | 4.44 | .21  | 26.78      |
| 69   | .63                                   | 1.74  | 2.40 | 2.45  | 6.37  | 1.89  | TRACE | 1.49  | 5.58  | 1.61 | 1.30 | 2.04 | 28.70      |
| 70   | .10                                   | 1.54  | 1.80 | 1.67  | 3.76  | 2.87  | .17   | .46   | 3.43  | .72  | .07  | .29  | 17.07      |
| 71   | .01                                   | .73   | .06  | 2.54  | 2.85  | 1.50  | 3.67  | 8.92  | 6.58  | 1.93 | .55  | 1.46 | 30.30      |
| 72   | .27                                   | .03   | .34  | 1.70  | 2.91  | 3.11  | .40   | 4.87  | 1.44  | 5.71 | .48  | .05  | 21.31      |
| 73   | 3.35                                  | 1.92  | 2.54 | 1.42  | .72   | 1.79  | 2.18  | .68   | 4.01  | 2.81 | .07  | .01  | 21.51      |
| 74   | .13                                   | .68   | 1.08 | 2.37  | .69   | .92   | .27   | 5.51  | 10.92 | 5.29 | 1.16 | 1.71 | 30.73      |
| 75   | .51                                   | 1.74  | 1.39 | .56   | 3.50  | 1.08  | 8.57  | 3.36  | 3.04  | .85  | 2.81 | .78  | 28.49      |
| 76   | .01                                   | TRACE | .20  | 4.03  | .99   | .71   | 5.93  | 1.33  | 5.02  | 5.47 | .70  | .07  | 24.46      |
| 77   | 1.65                                  | .16   | 2.41 | 5.36  | .21   | 1.26  | 2.32  | 3.25  | TRACE | 1.96 | .25  | .15  | 19.01      |
| 78   | .65                                   | 1.09  | .17  | .97   | 1.46  | 2.25  | 1.36  | 7.39  | 3.50  | 1.49 | 1.36 | .29  | 22.01      |
| 79   | 1.05                                  | .34   | 3.98 | 1.92  | 2.67  | 6.07  | 1.61  | 1.52  | .32   | .54  | .52  | 2.74 | 23.78      |
| 80   | .67                                   | .51   | .59  | .05   | 4.37  | 1.95  | .37   | 1.52  | 6.54  | .83  | 1.60 | 2.05 | 21.05      |
| 81   | 1.24                                  | 1.27  | 2.24 | 3.47  | 1.70  | 4.00  | 4.05  | .83   | 1.38  | 9.73 | .41  | .28  | 30.60      |
| 82   | .64                                   | .71   | .44  | .53   | 6.57  | 3.10  | .86   | 1.97  | 1.22  | 1.13 | 1.68 | 1.72 | 20.87      |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| TOTAL MONTHLY PRECIPITATION IN INCHES |       |       |       |       |       |       |       |       |       |       |       |       |            |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| YEAR                                  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ALL MONTHS |
| 83                                    | 1.36  | .19   | 1.00  | .40   | 2.01  | 2.43  | 1.72  | TRACE | .30   | 3.99  | 2.35  | .53   | 18.90      |
| 84                                    | 1.33  | .37   | .14   | .14   | .23   | .32   | .43   | 3.38  | 2.36  | 5.19  | 1.94  | 3.12  | 18.95      |
| 85                                    | .14   | 1.20  | 1.06  | 2.27  | 3.62  | 3.01  | 3.64  | 2.06  | 1.50  | 6.71  | .98   | .05   | 27.81      |
| 86                                    | .02   | 1.76  | .42   | 1.22  | 3.24  | 0.22  | 1.31  | 3.23  | 2.26  | 7.70  | 2.83  | 2.16  | 32.37      |
| 87                                    | .66   | 3.37  | 2.13  | .90   | 0.96  | 2.42  | 1.97  | 3.13  |       |       |       |       |            |
| MEAN                                  | 1.05  | 1.144 | 1.26  | 2.215 | 3.276 | 2.628 | 2.287 | 2.550 | 3.034 | 2.948 | 1.334 | 1.029 | 25.018     |
| STD.                                  | 1.278 | .913  | 1.011 | 2.119 | 3.007 | 1.798 | 2.115 | 2.116 | 2.468 | 2.304 | 1.115 | .957  | 5.080      |
| TOTAL OBS                             | 1223  | 932   | 1023  | 496   | 1054  | 1020  | 1054  | 1054  | 990   | 1023  | 990   | 1054  | 12213      |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 56-87

| AMOUNTS IN INCHES |       |       |                  |                  |                  |                  |                  |                  |                   |                    |                    |                    |              |                                 |              |                 |       |    |
|-------------------|-------|-------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------|---------------------------------|--------------|-----------------|-------|----|
| MONTH             | NONE  | TRACE | 0.1<br>TO<br>0.4 | 0.5<br>TO<br>1.4 | 1.5<br>TO<br>2.4 | 2.5<br>TO<br>3.4 | 3.5<br>TO<br>4.4 | 4.5<br>TO<br>6.4 | 6.5<br>TO<br>10.4 | 10.5<br>TO<br>15.4 | 15.5<br>TO<br>25.4 | 25.5<br>TO<br>50.4 | OVER<br>50.4 | % DAYS<br>WITH<br>MEAS-<br>AMTS | TOTAL<br>OBS | MONTHLY AMOUNTS |       |    |
|                   |       |       | MEAN             | GREATEST         | LEAST            |                  |                  |                  |                   |                    |                    |                    |              |                                 |              |                 |       |    |
| JAN               | 97.8  | 8.7   | .6               | .9               | .7               | .5               | .3               | .1               | .2                |                    |                    |                    |              | 3.4                             | 961          | 2.3             | 18.1  | .0 |
| FEB               | 96.0  | 6.7   | .9               | .9               | .5               | .3               | .3               | .1               |                   |                    |                    |                    |              | 3.1                             | 875          | 1.3             | 6.7   | .0 |
| MAR               | 95.9  | 2.7   | .3               | .2               | .3               | .1               |                  | .0               |                   |                    |                    |                    |              | 1.1                             | 961          | .7              | 6.5   | .0 |
| APR               | 99.5  | .1    |                  |                  |                  |                  |                  |                  |                   |                    |                    |                    |              |                                 | 936          | TRACE           | TRACE | .0 |
| MAY               | 100.0 |       |                  |                  |                  |                  |                  |                  |                   |                    |                    |                    |              |                                 | 992          | .0              | .0    | .0 |
| JUN               | 100.0 |       |                  |                  |                  |                  |                  |                  |                   |                    |                    |                    |              |                                 | 960          | .0              | .0    | .0 |
| JUL               | 100.0 |       |                  |                  |                  |                  |                  |                  |                   |                    |                    |                    |              |                                 | 992          | .0              | .0    | .0 |
| AUG               | 100.0 |       |                  |                  |                  |                  |                  |                  |                   |                    |                    |                    |              |                                 | 992          | .0              | .0    | .0 |
| SEP               | 100.0 |       |                  |                  |                  |                  |                  |                  |                   |                    |                    |                    |              |                                 | 930          | .0              | .0    | .0 |
| OCT               | 99.5  | .1    |                  |                  |                  |                  |                  |                  |                   |                    |                    |                    |              |                                 | 961          | TRACE           | TRACE | .0 |
| NOV               | 97.1  | 1.7   |                  | .4               | .1               | .1               | .1               | .2               |                   |                    |                    |                    |              | 1.0                             | 930          | .8              | 8.1   | .0 |
| DEC               | 92.9  | 5.6   | .4               | .6               | .4               |                  |                  |                  |                   |                    |                    |                    |              | 1.5                             | 961          | .5              | 6.0   | .0 |
| ANN               | 97.8  | 2.0   | .2               | .2               | .2               | .1               | .1               | .0               | .0                |                    |                    |                    |              | .8                              | 11451        | 5.6             |       |    |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 56-87

| YEAR | 24 HOUR AMOUNTS IN INCHES |       |       |       |     |     |     |     |     |       |       |       | ALL MONTHS |
|------|---------------------------|-------|-------|-------|-----|-----|-----|-----|-----|-------|-------|-------|------------|
|      | JAN                       | FEB   | MAR   | APR   | MAY | JUN | JUL | AUG | SEP | OCT   | NOV   | DEC   |            |
| 56   |                           |       |       | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0    |            |
| 57   | TRACE                     | .0    | TRACE | TRACE | .0  | .0  | .0  | .0  | .0  | .0    | 1.4   | .0    | 1.4        |
| 58   | 2.8                       | 1.0   | 3.3   | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 1.0   | 3.3        |
| 59   | TRACE                     | .1    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0    | .1         |
| 60   | TRACE                     | .4    | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE | .4         |
| 61   | 1.6                       | 3.5   | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | .0    | 3.5        |
| 62   | TRACE                     | TRACE | 5.0   | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE | 5.0        |
| 63   | .0                        | 3.7   | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | 1.1   | 3.7        |
| 64   | .0                        | 1.5   | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE | 2.2        |
| 65   | .0                        | TRACE | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0    | TRACE      |
| 66   | 4.0                       | 3.0   | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0    | 4.0        |
| 67   | .0                        | TRACE | .1    | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | .0    | 1.4   | 1.4        |
| 68   | TRACE                     | 1.5   | 2.2   | .0    | .0  | .0  | .0  | .0  | .0  | .0    | 4.2   | .0    | 4.2        |
| 69   | TRACE                     | TRACE | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 2.4   | 2.4        |
| 70   | TRACE                     | TRACE | 5.4   | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0    | 5.4        |
| 71   | .0                        | 1.1   | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE | 1.1        |
| 72   | .0                        | TRACE | 1.5   | .0    | .0  | .0  | .0  | .0  | .0  | .0    | 1.0   | TRACE | 1.5        |
| 73   | .0                        | 2.8   | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0    | 7.0        |
| 74   | TRACE                     | TRACE | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE | TRACE      |
| 75   | 2.5                       | TRACE | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE | 2.5        |
| 76   | .0                        | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | 5.0   | .0    | 5.0        |
| 77   | .0                        | .0    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | .0    | 2.0        |
| 78   | 1.3                       | 1.3   | .7    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | 1.4   | 1.4        |
| 79   | TRACE                     | 3.5   | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | TRACE | 3.5        |
| 80   | TRACE                     | 2.1   | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | TRACE | 5.7   | .0    | 5.7        |
| 81   | .0                        | .2    | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | .0    | 2.0        |
| 82   | .0                        | TRACE | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | TRACE | 1.0   | 3.4        |
| 83   | .0                        | TRACE | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | 2.1   | 7.8        |
| 84   | TRACE                     | 1.5   | TRACE | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE | 1.5        |
| 85   | .0                        | 1.0   | .0    | .0    | .0  | .0  | .0  | .0  | .0  | .0    | .0    | TRACE | 2.9        |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 51-87

| 24 HOUR AMOUNTS IN INCHES |       |       |       |       |      |      |      |      |      |       |       |       |            |
|---------------------------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|------------|
| -M-O-N-T-H-S-             |       |       |       |       |      |      |      |      |      |       |       |       |            |
| YEAR                      | JAN   | FEB   | MAR   | APR   | MAY  | JUN  | JUL  | AUG  | SEP  | OCT   | NOV   | DEC   | ALL MONTHS |
| 86                        | .0    | TRACE | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | TRACE | TRACE | TRACE      |
| 87                        | 1.0   | 5.0   | TRACE | .0    | .0   | .0   | .0   | .0   | .0   | .0    | TRACE | TRACE | TRACE      |
| MEAN                      | 1.35  | 1.07  | .62   | TRACE | .00  | .00  | .00  | .00  | .00  | TRACE | .56   | .34   | 2.82       |
| S.D.                      | 2.724 | 1.423 | 1.479 | .000  | .000 | .000 | .000 | .000 | .000 | .000  | 1.510 | .678  | 2.086      |
| TOTAL OBS                 | 961   | 875   | 961   | 936   | 992  | 960  | 992  | 992  | 930  | 961   | 930   | 961   | 11451      |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CLIMATE BRANCH  
 1516TAC  
 AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 56-97

| TOTAL MONTHLY SNOWFALL IN INCHES |       |       |       |       |     |         |    |     |     |       |       |       |            |
|----------------------------------|-------|-------|-------|-------|-----|---------|----|-----|-----|-------|-------|-------|------------|
| YEAR                             | JAN   | FEB   | MAR   | APR   | MAY | JUN-JUL |    | AUG | SEP | OCT   | NOV   | DEC   | ALL MONTHS |
| 56                               | TRACE | .0    | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | .0    |            |
| 57                               | TRACE | .0    | TRACE | TRACE | .0  | .0      | .0 | .0  | .0  | .0    | 1.4   | .0    | 1.4        |
| 58                               | 6.5   | 1.0   | 5.1   | .0    | .0  | .0      | .0 | .0  | .0  | .0    | TRACE | 1.0   | 13.6       |
| 59                               | TRACE | .1    | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | .0    | .1         |
| 60                               | TRACE | .4    | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | TRACE | .4         |
| 61                               | 1.9   | 6.7   | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | TRACE | .0    | 8.6        |
| 62                               | TRACE | TRACE | 5.0   | .0    | .0  | .0      | .0 | .0  | .0  | .0    | TRACE | TRACE | 5.0        |
| 63                               | .2    | 4.1   | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | 1.3   | 5.6        |
| 64                               | 2.2   | 1.6   | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | TRACE | 3.8        |
| 65                               | .0    | TRACE | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | .0    | TRACE      |
| 66                               | 10.2  | 3.4   | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | .0    | 14.1       |
| 67                               | .0    | TRACE | .1    | .0    | .0  | .0      | .0 | .0  | .0  | TRACE | .0    | 1.4   | 1.5        |
| 68                               | TRACE | 1.5   | 2.2   | .0    | .0  | .0      | .0 | .0  | .0  | .0    | 9.1   | .0    | 13.8       |
| 69                               | TRACE | TRACE | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | TRACE | 4.1   | 4.1        |
| 70                               | TRACE | TRACE | 6.5   | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | .0    | 6.5        |
| 71                               | .0    | 1.1   | .6    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | TRACE | TRACE | 1.7        |
| 72                               | 1.5   | TRACE | 1.5   | .0    | .0  | .0      | .0 | .0  | .0  | .0    | 1.0   | TRACE | 4.0        |
| 73                               | 17.1  | 2.4   | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | .0    | 20.9       |
| 74                               | TRACE | TRACE | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | TRACE | TRACE | TRACE      |
| 75                               | 2.5   | TRACE | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | TRACE | 2.5        |
| 76                               | .7    | .0    | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | 7.0   | .0    | 7.0        |
| 77                               | 1.0   | .0    | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | TRACE | .0    | 3.0        |
| 78                               | 1.4   | 1.3   | .7    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | 1.6   | 5.0        |
| 79                               | TRACE | 3.6   | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | TRACE | TRACE | 3.6        |
| 80                               | TRACE | 2.4   | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | TRACE | 4.5   | .0    | 8.9        |
| 81                               | 2.0   | .2    | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | .0    | 2.2        |
| 82                               | 3.4   | TRACE | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | TRACE | 1.0   | 4.4        |
| 83                               | 10.2  | TRACE | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | 6.0   | 18.2       |
| 84                               | TRACE | 1.5   | TRACE | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | TRACE | 1.5        |
| 85                               | 4.7   | 1.0   | .0    | .0    | .0  | .0      | .0 | .0  | .0  | .0    | .0    | TRACE | 5.7        |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 56-87

| TOTAL MONTHLY SNOWFALL IN INCHES |       |       |       |       |      |      |      |      |      |       |       |       |            |
|----------------------------------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|------------|
| YEAR                             | JAN   | FEB   | MAR   | APR   | MAY  | JUN  | JUL  | AUG  | SEP  | OCT   | NOV   | DEC   | ALL MONTHS |
| 56                               | .0    | TRACE | .0    | .0    | .0   | .0   | .0   | .0   | .0   | .0    | TRACE | TRACE | TRACE      |
| 57                               | 1.0   | 5.0   | TRACE | .0    | .0   | .0   | .0   | .0   | .0   | .0    | .0    | .0    | .0         |
| MEAN                             | 2.29  | 1.29  | .70   | TRACE | .00  | .00  | .00  | .00  | .00  | TRACE | .77   | .53   | 5.57       |
| S.C.                             | 4.200 | 1.807 | 1.693 | .000  | .000 | .000 | .000 | .000 | .000 | .000  | 2.170 | 1.321 | 5.505      |
| TOTAL OBS                        | 961   | 875   | 961   | 936   | 992  | 960  | 992  | 992  | 930  | 961   | 930   | 961   | 11451      |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| MONTH | MONL  | TRACE | 1   | 2  | 3  | AMOUNTS IN INCHES |    |    |    |    |    |     |     |  |     | OVER | % DAYS<br>WITH<br>MEAS<br>AMTS | TOTAL<br>OBS | MONTHLY AMOUNTS |  |  |
|-------|-------|-------|-----|----|----|-------------------|----|----|----|----|----|-----|-----|--|-----|------|--------------------------------|--------------|-----------------|--|--|
|       |       |       |     |    |    | 4                 | 7  | 13 | 25 | 37 | 49 | 61  | TO  |  | 120 |      |                                |              |                 |  |  |
|       |       |       |     |    |    | TO                | TO | TO | TO | TO | TO | TO  | TO  |  | TO  |      |                                |              |                 |  |  |
|       |       |       |     |    |    | 6                 | 12 | 24 | 36 | 48 | 60 | 120 | 120 |  | 120 |      |                                |              |                 |  |  |
| JAN   | 91.8  | 4.6   | 1.6 | .8 | .9 | .1                | .3 |    |    |    |    |     |     |  |     |      | 3.6                            | 1022         |                 |  |  |
| FEB   | 93.9  | 3.5   | 1.2 | .6 | .4 | .2                |    |    |    |    |    |     |     |  |     |      | 2.6                            | 932          |                 |  |  |
| MAR   | 98.9  | .5    | .3  | .1 |    | .2                |    |    |    |    |    |     |     |  |     |      | .6                             | 1023         |                 |  |  |
| APR   | 100.0 |       |     |    |    |                   |    |    |    |    |    |     |     |  |     |      |                                | 996          |                 |  |  |
| MAY   | 100.0 |       |     |    |    |                   |    |    |    |    |    |     |     |  |     |      |                                | 1054         |                 |  |  |
| JUN   | 100.0 |       |     |    |    |                   |    |    |    |    |    |     |     |  |     |      |                                | 1020         |                 |  |  |
| JUL   | 100.0 |       |     |    |    |                   |    |    |    |    |    |     |     |  |     |      |                                | 1054         |                 |  |  |
| AUG   | 100.0 |       |     |    |    |                   |    |    |    |    |    |     |     |  |     |      |                                | 1054         |                 |  |  |
| SEP   | 100.0 |       |     |    |    |                   |    |    |    |    |    |     |     |  |     |      |                                | 990          |                 |  |  |
| OCT   | 100.0 |       |     |    |    |                   |    |    |    |    |    |     |     |  |     |      |                                | 1023         |                 |  |  |
| NOV   | 98.3  | .7    | .4  | .2 | .2 | .2                |    |    |    |    |    |     |     |  |     |      | 1.0                            | 990          |                 |  |  |
| DEC   | 96.1  | 2.7   | .9  | .4 |    |                   |    |    |    |    |    |     |     |  |     |      | 1.2                            | 1054         |                 |  |  |
| ANN   | 96.2  | 1.7   | .4  | .2 | .1 | .1                | .2 |    |    |    |    |     |     |  |     |      | .7                             | 12212        |                 |  |  |

GLOBAL CLIMATOLOGY BRANCH  
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EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| YEAR | DAILY SNOW DEPTH IN INCHES<br>-M-O-N-T-H-S- |       |       |     |     |     |     |     |     |     |       |       | ALL<br>MONTHS |
|------|---|-------|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|---------------|
|      | JAN   | FEB   | MAR   | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV   | DEC   |               |
| 43   |   |       |       |     |     |     |     |     |     |     |       | 0     |               |
| 44   | 42  | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 43            |
| 45   | 0   | 2     | 0     |     |     | 0   | 0   | 0   | 0   | 0   | 0     | TRACE | 2             |
| 56   |   |       |       | 40  | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     |               |
| 57   | 0   | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     | 0     | 1             |
| 58   | 1   | 1     | 1     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | TRACE | 1             |
| 59   | TRACE                                       | TRACE | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | TRACE         |
| 60   | 0   | TRACE | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | TRACE | TRACE         |
| 61   | 3   | 5     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 5             |
| 62   | TRACE                                       | TRACE | 5     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | TRACE | TRACE | 5             |
| 63   | TRACE                                       | 1     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | TRACE | 1             |
| 64   | 2   | 2     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 2             |
| 65   | 0   | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 0             |
| 66   | 3   | 3     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 3             |
| 67   | 0   | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 2     | 2             |
| 68   | 0   | 1     | 2     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2     | 0     | 2             |
| 69   | 0   | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 1     | 1             |
| 70   | 0   | 0     | 6     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 6             |
| 71   | 0   | 1     | 1     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 1             |
| 72   | TRACE                                       | 1     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | TRACE | 1             |
| 73   | 8   | TRACE | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 8             |
| 74   | TRACE                                       | 0     | TRACE | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | TRACE | TRACE         |
| 75   | 2   | 1     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | TRACE | 2             |
| 76   | 0   | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 0             |
| 77   | 3   | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 3             |
| 78   | 1   | 1     | TRACE | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 1     | 1             |
| 79   | 1   | 3     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 1     | 3             |
| 80   | TRACE                                       | 2     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 6     | 0     | 6             |
| 81   | TRACE                                       | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | TRACE         |
| 82   | 3   | TRACE | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     | 0     | 3             |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE...

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-67

| DAILY SNOW DEPTH IN INCHES |       |       |       |      |      |      |      |      |      |      |       |       |            |
|----------------------------|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|------------|
| -M-O-N-T-H-S-              |       |       |       |      |      |      |      |      |      |      |       |       |            |
| YEAR                       | JAN   | FEB   | MAR   | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV   | DEC   | ALL MONTHS |
| 43                         | 7     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 2     | 7          |
| 44                         | 0     | 0     | TRACE | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | TRACE | TRACE      |
| 45                         | 2     | 3     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | TRACE | 3          |
| 46                         | 0     | TRACE | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | TRACE      |
| 47                         | TRACE | 5     | TRACE | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | TRACE      |
| MEAN                       | 1.1   | 1.0   | .5    | .0   | .7   | .0   | .0   | .0   | .0   | .0   | .4    | .2    | 2.3        |
| S.D.                       | 1.956 | 1.425 | 1.371 | .600 | .800 | .000 | .000 | .000 | .000 | .000 | 1.194 | .538  | 2.227      |
| TOTAL OBS                  | 1022  | 932   | 1023  | 996  | 1054 | 1020 | 1054 | 1054 | 990  | 1023 | 990   | 1054  | 12212      |

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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## SURFACE WIND SUMMARIES

### EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPLETE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

### BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IS GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722605 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 57-87

| YEAR | DAILY PEAK GUSTS IN KNOTS |        |        |        |        |        |        |        |        |        |        |        | ALL MONTHS |
|------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
|      | JAN                       | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    |            |
| 57   | NE 31                     | WNW 40 | NW 32  | WNW 40 | NE 42  | NNE 64 | SSW 32 | NE 26  | NNL 40 | W 34   | N 33   | WNW 43 |            |
| 58   | SSW 35                    | WNW 35 | WNW 41 | NNE 37 | WNW 43 | NW 37  | E 31   | NE 33  | SSW 25 | SSW 31 | WSW 40 | S 33   | NNE 64     |
| 59   | W 40                      | W 50   | WNW 41 | S 34   | S 36   | W 52   | N 33   | S 30   | N 30   | WNW 34 | SSW 36 | N 33   | WSW 43     |
| 60   | N 36                      | W 33   | WNW 38 | WSW 44 | NW 36  | WNW 54 | N 32   | SE 28  | SSE 42 | N 42   | W 34   | W 35   | W 52       |
| 61   | SSW 41                    | S 37   | W 49   | S 39   | S 39   | WNW 51 | SSW 55 | S 28   | NNE 34 | S 37   | SSW 37 | N 27   | WNW 54     |
| 62   | W 27                      | W 34   | S 37   | NW 47  | SSE 49 | N 50   | N 33   | WSW 39 | ESE 25 | W 28   | NE 41  | SSW 33 | SSW 55     |
| 63   | NW 42                     | SSW 40 | W 40   | S 40   | SSE 39 | NW 54  | E 32   | NNW 58 | N 33   | S 38   | SE 36  | S 42   | N 50       |
| 64   | WSW 48                    | S 35   | S 40   | W 51   | SSE 45 | S 44   | E 30   | SE 38  | W 38   | SE 35  | WSW 35 | W 40   | NNW 58     |
| 65   | WSW 53                    | S 35   | NW 49  | NNE 35 | SSE 45 | S 36   | SE 30  | N 29   | N 32   | NNE 35 | SSW 31 | N 33   | W 51       |
| 66   | W 44                      | N 41   | N 43   | W 54   | NNE 54 | E 44   | NE 33  | S 38   | E 43   | N 41   | W 37   | S 40   | WSW 53     |
| 67   | S 39                      | N 35   | S 39   | N 37   | SSW 44 | S 34   | 16/ 37 | 9/ 36  | 20/ 27 | 18/ 37 | 18/ 37 | 27/ 48 | W 54       |
| 68   | 20/ 36                    | 26/ 37 | 26/ 37 | 18/ 40 | 37/ 42 | 35/ 54 | 17/ 26 | 16/ 28 | 32/ 34 | 16/ 35 | 20/ 36 | 20/ 40 | 27/ 48     |
| 69   | 21/ 41                    | 21/ 39 | 18/ 35 | 20/ 40 | 31/ 38 | 27/ 47 | 18/ 28 | 26/ 34 | 18/ 32 | 30/ 30 | 20/ 41 | 24/ 49 | 35/ 54     |
| 70   | 19/ 40                    | 19/ 38 | 28/ 40 | 20/ 39 | 29/ 42 | 19/ 46 | 28/ 34 | 36/ 30 | 34/ 35 | 35/ 42 | 20/ 35 | 25/ 47 | 24/ 48     |
| 71   | 15/ 41                    | 20/ 36 | 25/ 38 | 23/ 42 | 16/ 36 | 35/ 53 | 14/ 31 | 18/ 29 | 2/ 30  | 2/ 28  | 29/ 44 | 29/ 42 | 25/ 47     |
| 72   | 24/ 40                    | 17/ 33 | 27/ 43 | 17/ 37 | 25/ 40 | 15/ 37 | 10/ 33 | 4/ 39  | 1/ 44  | 18/ 35 | 17/ 39 | 18/ 38 | 35/ 53     |
| 73   | 27/ 37                    | 27/ 47 | 32/ 34 | 29/ 61 | 27/ 39 | 31/ 44 | 7/ 44  | 24/ 38 | 34/ 28 | 19/ 31 | 14/ 80 | 21/ 27 | 1/ 44      |
| 74   | 35/ 47                    | 29/ 46 | 25/ 48 | 16/ 40 | 18/ 40 | 16/ 44 | 15/ 31 | 5/ 33  | 36/ 32 | 18/ 40 | 21/ 40 | 18/ 36 | 14/ 80     |
| 75   | 19/ 39                    | 23/ 40 | 30/ 47 | 16/ 56 | 27/ 47 | 20/ 37 | 16/ 47 | 21/ 29 | 18/ 28 | 16/ 30 | 3/ 30  | 18/ 33 | 26/ 48     |
| 76   | 3/ 37                     | 28/ 44 | 25/ 44 | 15/ 30 | 25/ 50 | 17/ 34 | 21/ 30 | 3/ 37  | 16/ 36 | 2/ 30  | 30/ 34 | 27/ 44 | 16/ 56     |
| 77   | 17/ 36                    | 36/ 34 | 35/ 38 | 18/ 35 | 27/ 34 | 30/ 39 | 5/ 33  | 11/ 32 | 18/ 31 | 36/ 30 | 20/ 30 | 29/ 33 | 25/ 50     |
| 78   | 21/ 36                    | 28/ 36 | 19/ 38 | 25/ 39 | 18/ 42 | 25/ 38 | 36/ 42 | 36/ 29 | 29/ 32 | 24/ 43 | 29/ 32 | 2/ 35  | 30/ 39     |
| 79   | 15/ 32                    | 36/ 37 | 26/ 41 | 17/ 40 | 14/ 41 | 20/ 50 | 7/ 25  | 18/ 28 | 19/ 37 | 18/ 32 | 23/ 32 | 17/ 36 | 24/ 43     |
| 80   | 29/ 28                    | 36/ 32 | 27/ 45 | 19/ 37 | 31/ 39 | 16/ 32 | 5/ 44  | 15/ 22 | 3/ 30  | 33/ 29 | 27/ 34 | 32/ 39 | 29/ 50     |
| 81   | 26/ 37                    | 17/ 36 | 31/ 36 | 24/ 41 | 24/ 40 | 34/ 36 | 35/ 30 | 27/ 25 | 4/ 38  | 36/ 37 | 17/ 36 | 36/ 29 | 29/ 50     |
| 82   | 17/ 29                    | 29/ 32 | 34/ 44 | 33/ 50 | 34/ 36 | 36/ 49 | 35/ 38 | 7/ 29  | 1/ 32  | 18/ 32 | 31/ 35 | 31/ 33 | 34/ 42     |
| 83   | 17/ 34                    | 16/ 36 | 27/ 57 | 26/ 45 | 7/ 34  | 17/ 30 | 17/ 28 | 8/ 44  | 19/ 30 | 28/ 47 | 18/ 32 | 18/ 35 | 33/ 50     |
| 84   | 17/ 37                    | 19/ 34 | 28/ 37 | 23/ 46 | 37/ 57 | 16/ 28 | 11/ 32 | 25/ 29 | 36/ 28 | 35/ 36 | 27/ 37 | 17/ 28 | 27/ 50     |
| 85   | 15/ 33                    | 19/ 26 | 15/ 36 | 18/ 37 | 16/ 37 | 6/ 43  | 19/ 30 | 7/ 31  | 17/ 36 | 15/ 29 | 17/ 32 | 16/ 29 | 32/ 50     |
| 86   |                           |        |        |        |        |        |        |        |        |        |        |        | 6/ 43      |

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
\* (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

CONTINUED ON NEXT PAGE....

EXTREME VALUES OF SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

PERIOD OF RECORD: 57-97

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
 % (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.2                  | 3.2  | 4.0  | 3.3   | .5    | .1    |       |       |       |       |       | 12.4       | 8.9          |
| NNE                    | .5                   | 1.5  | 1.8  | .4    | .1    |       |       |       |       |       |       | 4.4        | 7.2          |
| NE                     | .9                   | .9   | 1.0  |       |       |       |       |       |       |       |       | 2.6        | 5.5          |
| ENE                    | .3                   | .6   |      |       |       |       |       |       |       |       |       | 1.0        | 4.6          |
| E                      | 1.3                  | .2   | .1   |       |       |       |       |       |       |       |       | 1.6        | 3.1          |
| ESE                    | .3                   | 1.0  | .6   |       |       |       |       |       |       |       |       | 1.9        | 5.6          |
| SE                     | .5                   | .4   | 1.1  | .5    |       |       |       |       |       |       |       | 2.6        | 7.2          |
| SSE                    | 1.4                  | 1.6  | 1.1  | 1.3   | .1    |       |       |       |       |       |       | 5.5        | 7.1          |
| S                      | 3.0                  | 3.8  | 3.2  | 4.0   | .6    | .1    |       |       |       |       |       | 14.7       | 8.2          |
| SSW                    | 2.7                  | 2.0  | 2.2  | 1.0   | .2    |       |       |       |       |       |       | 10.1       | 7.7          |
| SW                     | 1.9                  | 1.4  | 1.2  | .5    |       |       |       |       |       |       |       | 5.1        | 5.7          |
| WSW                    | .6                   | .9   | 1.3  | .8    |       |       |       |       |       |       |       | 3.5        | 7.4          |
| W                      | .9                   | 1.7  | 2.0  | .2    | .2    |       |       |       |       |       |       | 5.1        | 6.8          |
| WNW                    | .9                   | 1.7  | .6   |       | .1    |       |       |       |       |       |       | 3.3        | 5.4          |
| NW                     | 1.5                  | 2.7  | 1.2  |       | .1    |       |       |       |       |       |       | 5.6        | 5.0          |
| NNW                    | 1.1                  | 1.2  | .5   | .2    |       |       |       |       |       |       |       | 3.0        | 4.9          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 17.6       | ////         |
| TOTALS                 | 19.0                 | 24.6 | 21.9 | 14.3  | 2.0   | .2    |       |       |       |       |       | 100.0      | 5.8          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 79-87  
MONTH: JAN HOURS(LST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.0                  | 3.7  | 4.3  | 4.0   | .5    |       |       |       |       |       | 13.4       | 9.1          |
| NNE                    | .6                   | 1.4  | .9   | .5    | .1    |       |       |       |       |       | 3.5        | 7.2          |
| NE                     | 1.0                  | .4   | .4   |       |       |       |       |       |       |       | 1.8        | 4.2          |
| ESE                    | .5                   | 1.2  | .3   |       |       |       |       |       |       |       | 2.0        | 4.6          |
| E                      | .3                   | .6   | .1   |       |       |       |       |       |       |       | 1.1        | 4.0          |
| ESE                    | .9                   | .6   | .2   |       |       |       |       |       |       |       | 1.6        | 4.2          |
| SE                     | .6                   | 1.0  | 1.2  | .2    | .1    |       |       |       |       |       | 3.1        | 6.9          |
| SSE                    | .9                   | 1.6  | 1.3  | 1.5   |       |       |       |       |       |       | 5.2        | 7.6          |
| S                      | 1.7                  | 3.9  | 2.5  | 2.7   | .4    |       |       |       |       |       | 11.2       | 7.8          |
| SSW                    | 2.3                  | 2.2  | 2.2  | 2.4   | .3    |       |       |       |       |       | 9.2        | 7.8          |
| SW                     | 2.6                  | 1.7  | 1.0  | .4    | .2    |       |       |       |       |       | 5.9        | 5.5          |
| WSW                    | .9                   | 1.1  | 1.0  | .2    |       |       |       |       |       |       | 3.0        | 5.8          |
| W                      | 1.8                  | 3.0  | 2.9  | .6    |       |       |       |       |       |       | 8.4        | 6.1          |
| WNW                    | 1.7                  | 2.4  | .6   | .4    | .1    |       |       |       |       |       | 5.3        | 5.2          |
| NW                     | 1.0                  | 1.7  | 1.0  | .5    | .1    | .1    |       |       |       |       | 4.4        | 7.0          |
| NNW                    | .6                   | 1.9  | 1.3  | .2    | .2    |       |       |       |       |       | 4.3        | 6.5          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 16.5       | ////         |
| TOTALS                 | 18.2                 | 28.3 | 21.1 | 13.8  | 2.2   | .1    |       |       |       |       | 100.0      | 5.8          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.7                  | 2.5  | 4.4  | 4.6   | .2    |       |       |       |       |       | 13.4       | 9.2          |
| NNE                    | .6                   | .6   | 1.0  | .4    | .2    | .2    |       |       |       |       | 3.1        | 8.7          |
| NE                     | .5                   | .4   | 1.0  |       |       |       |       |       |       |       | 2.2        | 5.4          |
| ENE                    | .4                   | .3   | .2   |       |       |       |       |       |       |       | 1.0        | 4.7          |
| E                      | .5                   | 1.4  | .3   |       |       |       |       |       |       |       | 2.3        | 4.7          |
| ESE                    | .5                   | 1.5  | .5   |       |       |       |       |       |       |       | 2.6        | 5.0          |
| SE                     | .5                   | .9   | .6   | .2    | .1    |       |       |       |       |       | 2.4        | 7.2          |
| SSE                    | 1.2                  | 1.5  | .6   | 1.1   | .2    |       |       |       |       |       | 4.6        | 7.4          |
| S                      | 2.4                  | 3.8  | 3.0  | 2.5   | .4    |       |       |       |       |       | 12.0       | 7.6          |
| SSW                    | 2.2                  | 1.2  | 2.6  | 1.4   | .1    |       |       |       |       |       | 7.4        | 7.2          |
| SW                     | 1.6                  | .4   | .9   | .5    |       |       |       |       |       |       | 3.4        | 5.6          |
| WSW                    | 1.7                  | .4   | .4   | .7    |       |       |       |       |       |       | 2.4        | 4.8          |
| W                      | 1.5                  | 3.5  | 2.0  | .6    | .1    |       |       |       |       |       | 7.8        | 6.3          |
| WNW                    | 1.4                  | 3.2  | 1.2  | .2    |       |       |       |       |       |       | 6.0        | 5.1          |
| NW                     | .7                   | 1.7  | 1.2  | .5    | .1    | .2    |       |       |       |       | 4.6        | 7.3          |
| NNW                    | 1.2                  | 1.7  | 1.0  | .5    | .1    |       |       |       |       |       | 4.8        | 6.6          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 19.9       | ////         |
| TOTALS                 | 18.7                 | 25.4 | 21.0 | 13.0  | 1.6   | .4    |       |       |       |       | 100.0      | 5.6          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | 1.3                                  | 3.0  | 5.9  | 6.6   | 1.2   |       |       | 18.0       | 10.0         |
| NNE                    | .6                                   | 1.1  | 1.6  | 1.0   | .3    |       |       | 4.6        | 8.5          |
| NE                     | .3                                   | 1.0  | 1.1  |       | .1    |       |       | 2.5        | 6.7          |
| ENE                    | .6                                   | .5   | .4   | .1    |       |       |       | 1.7        | 5.3          |
| E                      | .8                                   | .9   | .6   | .0    |       |       |       | 2.5        | 5.9          |
| ESE                    | .4                                   | .9   | .9   |       |       |       |       | 2.2        | 5.4          |
| SE                     | 1.5                                  | 2.0  | .9   | .2    |       |       |       | 4.6        | 5.0          |
| SSE                    | 1.6                                  | 1.1  | 1.3  | 1.0   | .3    |       |       | 5.5        | 7.4          |
| S                      | 1.2                                  | 3.0  | 4.1  | 3.0   | 1.3   | .5    |       | 13.1       | 9.9          |
| SSW                    | .9                                   | 1.0  | 1.6  | 2.4   | .6    |       |       | 6.5        | 10.0         |
| SW                     | 1.3                                  | .5   | .9   | 1.0   |       |       |       | 3.7        | 7.0          |
| WSW                    | .3                                   | .4   | 1.0  | 1.3   |       |       |       | 3.0        | 9.7          |
| W                      | .6                                   | 1.5  | 1.7  | 1.6   | .3    |       |       | 5.8        | 8.9          |
| WNW                    | .6                                   | 1.3  | 1.7  | .6    |       |       |       | 4.3        | 7.3          |
| NW                     | 1.0                                  | 1.3  | 3.1  | .8    |       |       |       | 6.1        | 7.1          |
| NNW                    | 1.2                                  | 1.4  | 2.8  | 1.2   | .5    | .2    |       | 7.3        | 8.6          |
| VARIABLE               |                                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       | 8.7        | ////         |
| TOTALS                 | 14.5                                 | 20.9 | 29.6 | 20.9  | 4.7   | .9    |       | 100.0      | 7.7          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 79-87  
MONTH: JAN HOURS(IST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.4                  | 2.4  | 5.6  | 8.8   | 1.7   |       |       |       |       |       | 19.9       | 10.8         |
| NNE                    | 1.1                  | 1.8  | 2.3  | 1.4   | .3    |       |       |       |       |       | 6.9        | 7.9          |
| NE                     | .8                   | 1.0  | .8   | .2    | .2    |       |       |       |       |       | 3.0        | 7.0          |
| ENE                    | .8                   | .9   | 1.3  | .1    |       |       |       |       |       |       | 2.9        | 6.5          |
| E                      | 1.1                  | .5   | .9   |       |       |       |       |       |       |       | 2.8        | 5.0          |
| ESE                    | .4                   | 1.0  | .6   |       |       |       |       |       |       |       | 2.0        | 5.4          |
| SE                     | .5                   | 1.5  | 1.0  | .1    |       |       |       |       |       |       | 3.1        | 5.8          |
| SSE                    | .8                   | .9   | 1.5  | .9    | .3    | .4    |       |       |       |       | 4.7        | 10.0         |
| S                      | .2                   | 2.7  | 4.9  | 3.7   | 1.2   | .2    |       |       |       |       | 12.3       | 10.5         |
| SSW                    | .3                   | .9   | 3.2  | 2.5   | .6    | .1    |       |       |       |       | 8.0        | 10.3         |
| SW                     | .3                   | .4   | 1.8  | 1.7   | .2    |       |       |       |       |       | 4.5        | 10.3         |
| WSW                    | .5                   | 1.0  | 1.4  | 2.2   | .7    | .1    |       |       |       |       | 5.5        | 10.1         |
| W                      | 1.0                  | 1.1  | 1.5  | 1.5   | .2    | .1    |       |       |       |       | 5.4        | 9.0          |
| WNW                    | .5                   | .2   | 1.1  | 1.3   | .1    |       |       |       |       |       | 3.2        | 9.5          |
| NW                     | .2                   | 1.5  | 2.7  | 1.4   | .1    |       |       |       |       |       | 5.9        | 9.5          |
| NNW                    | .4                   | 1.0  | 2.7  | 1.6   | .8    | .1    |       |       |       |       | 6.6        | 10.1         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 3.3        | ////         |
| TOTALS                 | 10.3                 | 16.2 | 33.2 | 27.7  | 6.1   | 1.1   |       |       |       |       | 100.0      | 9.1          |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .9                                   | 2.7  | 5.6  | 8.5   | 1.2   | .2    |       |       |       |       | 19.0       | 10.8         |
| NNE                    | 1.2                                  | 2.2  | 1.9  | 3.1   | .1    |       |       |       |       |       | 8.5        | 8.6          |
| NE                     | .9                                   | 1.2  | 1.6  | .5    |       |       |       |       |       |       | 4.2        | 6.8          |
| NNE                    | .4                                   | 1.0  | .6   |       | .1    |       |       |       |       |       | 2.2        | 6.1          |
| E                      | .9                                   | 1.7  | 1.0  |       |       |       |       |       |       |       | 3.4        | 5.3          |
| ESE                    | .4                                   | .6   | .5   | .1    |       |       |       |       |       |       | 1.7        | 5.6          |
| SE                     | .6                                   | 1.6  | .6   | .1    |       |       |       |       |       |       | 3.1        | 5.5          |
| SSE                    | .4                                   | 1.6  | 1.1  | 1.3   | .1    |       |       |       |       |       | 4.5        | 8.6          |
| S                      | .3                                   | 2.4  | 5.7  | 4.2   | .9    | .1    | .1    |       |       |       | 13.7       | 10.3         |
| SSW                    | .3                                   | .6   | 2.5  | 2.6   | .1    |       |       |       |       |       | 6.1        | 9.9          |
| SW                     | .9                                   | .5   | 1.9  | 1.5   | .3    |       |       |       |       |       | 5.4        | 9.1          |
| WSW                    |                                      | .9   | 1.7  | 1.1   | .4    |       |       |       |       |       | 4.1        | 10.7         |
| W                      | .5                                   | 1.1  | 2.4  | 1.0   | .1    | .2    |       |       |       |       | 5.6        | 8.8          |
| WSW                    | .5                                   | .6   | 1.3  | .5    |       |       |       |       |       |       | 3.0        | 7.3          |
| NW                     | .5                                   | .5   | 1.5  | 1.2   |       |       |       |       |       |       | 4.3        | 8.0          |
| NWN                    | 1.0                                  | 1.8  | 1.4  | 1.3   | .4    |       |       |       |       |       | 5.9        | 8.2          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 5.3        | ////         |
| TOTALS                 | 2.9                                  | 21.6 | 31.7 | 27.1  | 3.8   | .5    | .1    |       |       |       | 100.0      | 8.5          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | 2.7                                  | 4.2  | 5.7  | 4.5   | .5    |       |       |       |       |       |            | 17.6         | 8.1   |
| NNE                    | .9                                   | 1.6  | 2.6  | 1.0   | .3    |       |       |       |       |       |            | 6.2          | 8.1   |
| NE                     | .6                                   | 1.3  | 1.5  | .5    |       |       |       |       |       |       |            | 4.0          | 6.8   |
| ENE                    | .9                                   | .3   | .2   |       |       |       |       |       |       |       |            | 1.4          | 3.7   |
| E                      | 1.0                                  | 2.0  | .9   |       |       |       |       |       |       |       |            | 3.9          | 5.1   |
| ESE                    | .6                                   | 2.0  | .8   |       |       |       |       |       |       |       |            | 3.4          | 5.3   |
| SE                     | .6                                   | 1.2  | 2.2  | .1    |       |       |       |       |       |       |            | 4.1          | 6.7   |
| SSE                    | 1.5                                  | 2.4  | 1.6  | .6    | .2    |       |       |       |       |       |            | 6.6          | 6.4   |
| S                      | 2.3                                  | 5.9  | 3.1  | 1.7   |       | .1    |       |       |       |       |            | 13.1         | 6.5   |
| SSW                    | 3.2                                  | 2.0  | .8   | .1    |       |       |       |       |       |       |            | 6.1          | 4.0   |
| SW                     | 2.2                                  | 2.3  | .4   |       |       |       |       |       |       |       |            | 4.8          | 4.0   |
| WSW                    | .8                                   | .8   | .5   |       |       |       |       |       |       |       |            | 2.0          | 4.8   |
| W                      | 1.1                                  | 1.4  | .3   | .2    | .1    |       |       |       |       |       |            | 3.1          | 5.4   |
| WNW                    | 1.5                                  | .5   |      | .1    |       |       |       |       |       |       |            | 2.2          | 3.5   |
| NW                     | 1.0                                  | .4   | .1   | .2    |       |       |       |       |       |       |            | 1.7          | 4.5   |
| NNW                    | 1.4                                  | 1.3  | 1.6  | .6    |       |       |       |       |       |       |            | 4.9          | 6.4   |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 14.7       | ////         |       |
| TOTALS                 | 22.0                                 | 29.7 | 22.5 | 9.8   | 1.2   | .1    |       |       |       |       |            | 100.0        | 5.4   |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.8                  | 3.5  | 4.4  | 2.8   | .5    | .2    |       |       |       |       |       | 13.3       | 8.6          |
| NNE                    | .6                   | 1.2  | 2.0  | .6    | .1    |       |       |       |       |       |       | 4.7        | 8.2          |
| NE                     | .9                   | .8   | 1.8  | .2    |       |       |       |       |       |       |       | 3.5        | 6.6          |
| ENE                    | .2                   | .6   | .4   |       |       |       |       |       |       |       |       | 1.3        | 5.8          |
| E                      | .6                   | .6   | .6   |       |       |       |       |       |       |       |       | 1.9        | 4.9          |
| ESE                    | .6                   | 1.7  | .9   |       |       |       |       |       |       |       |       | 3.2        | 5.4          |
| SF                     | 1.0                  | 1.1  | 1.4  | .6    |       |       |       |       |       |       |       | 4.1        | 6.6          |
| SSE                    | 1.5                  | 1.9  | 2.0  | 2.0   | .1    |       |       |       |       |       |       | 7.6        | 7.7          |
| S                      | 4.5                  | 4.1  | 4.6  | 2.7   | .2    |       |       |       |       |       |       | 16.1       | 6.7          |
| SSW                    | 3.0                  | 2.9  | 2.6  | 1.0   | .1    |       |       |       |       |       |       | 9.6        | 5.8          |
| SW                     | 2.7                  | 1.3  | .4   | .2    |       |       |       |       |       |       |       | 4.6        | 4.0          |
| WSW                    | 1.0                  | .3   | .5   | .6    |       |       |       |       |       |       |       | 2.5        | 6.6          |
| W                      | .4                   | 1.8  | .9   | .3    |       |       |       |       |       |       |       | 3.4        | 6.3          |
| WNW                    | .3                   | 1.3  | .4   | .1    |       |       |       |       |       |       |       | 2.2        | 5.7          |
| NW                     | .9                   | 1.3  | .2   | .2    |       |       |       |       |       |       |       | 2.5        | 5.1          |
| NNW                    | .5                   | 1.4  | .8   | .3    |       |       |       |       |       |       |       | 3.0        | 6.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 16.3       | ////         |
| TOTALS                 | 20.4                 | 25.9 | 24.1 | 11.9  | 1.1   | .2    |       |       |       |       |       | 100.0      | 5.6          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 |            |              |
| N                      | 1.5                                  | 3.1  | 5.0  | 5.4   | .8    | .1    |       |       | 15.9       | 9.5          |
| NNE                    | .8                                   | 1.4  | 1.8  | 1.1   | .2    | .0    |       |       | 5.3        | 8.1          |
| NE                     | .7                                   | .9   | 1.1  | .2    | .0    |       |       |       | 3.0        | 6.3          |
| ENE                    | .5                                   | .7   | .4   | .0    | .0    |       |       |       | 1.7        | 5.4          |
| E                      | .8                                   | 1.0  | .6   | .0    |       |       |       |       | 2.4        | 4.9          |
| ESE                    | .5                                   | 1.2  | .6   | .0    |       |       |       |       | 2.3        | 5.3          |
| SE                     | .8                                   | 1.2  | 1.1  | .3    | .0    |       |       |       | 3.4        | 6.3          |
| SSE                    | 1.2                                  | 1.6  | 1.3  | 1.2   | .2    | .1    |       |       | 5.5        | 7.7          |
| S                      | 1.9                                  | 3.6  | 3.9  | 7.1   | .6    | .1    | .0    |       | 13.3       | 9.4          |
| SSW                    | 1.9                                  | 1.6  | 2.2  | 1.9   | .3    | .0    |       |       | 7.9        | 7.8          |
| SW                     | 1.7                                  | 1.1  | 1.1  | .7    | .1    |       |       |       | 4.7        | 6.4          |
| WSW                    | .7                                   | .7   | 1.0  | .6    | .1    | .7    |       |       | 3.3        | 6.0          |
| W                      | 1.0                                  | 1.9  | 1.7  | .8    | .1    | .0    |       |       | 5.6        | 7.2          |
| WNW                    | .9                                   | 1.4  | .9   | .4    | .7    |       |       |       | 3.7        | 6.1          |
| NW                     | .9                                   | 1.4  | 1.4  | .6    | .1    | .7    |       |       | 4.4        | 6.9          |
| NNW                    | .9                                   | 1.5  | 1.5  | .6    | .7    | .7    |       |       | 5.0        | 7.6          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       | 12.8       | ////         |
| TOTALS                 | 16.6                                 | 24.3 | 25.6 | 17.3  | 2.6   | .4    | .0    |       | 100.0      | 6.7          |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS |     |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|---------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .5                  | 3.3 | 4.7  | 3.4   | .6    | .1    |       |       |       |       |       | 13.1       | 8.7          |
| NNE                    | .4                  | 1.2 | 1.8  | .5    | .5    |       |       |       |       |       |       | 4.3        | 9.9          |
| NE                     | .5                  | .6  | .7   |       |       |       |       |       |       |       |       | 1.8        | 5.4          |
| NNE                    | .2                  | .5  | .4   |       |       |       |       |       |       |       |       | 1.2        | 5.0          |
| E                      | .8                  | .5  | .7   | .1    |       |       |       |       |       |       |       | 2.5        | 5.0          |
| ESE                    | .5                  | .4  | .9   |       |       |       |       |       |       |       |       | 2.0        | 6.0          |
| SE                     | .2                  | 1.5 | .9   | .5    |       |       |       |       |       |       |       | 3.2        | 7.0          |
| SSE                    | 1.3                 | 1.9 | 2.8  | 1.4   | .1    |       |       |       |       |       |       | 7.6        | 7.6          |
| S                      | 2.2                 | 3.5 | 3.5  | 4.0   | .1    |       |       |       |       |       |       | 13.8       | 8.4          |
| SSW                    | 1.7                 | 1.5 | 3.0  | 2.4   | .1    |       |       |       |       |       |       | 9.2        | 9.2          |
| SW                     | 1.9                 | 2.7 | 2.0  | 1.4   |       |       |       |       |       |       |       | 8.5        | 7.0          |
| WSW                    | 1.7                 | 1.1 | 1.1  | .5    |       |       |       |       |       |       |       | 3.9        | 5.8          |
| W                      | 1.5                 | 1.4 | .9   | .2    | .2    |       |       |       |       |       |       | 4.4        | 5.9          |
| WNW                    | .1                  | 1.9 | .6   | .1    |       |       |       |       |       |       |       | 2.7        | 5.7          |
| NW                     | .5                  | 1.5 | .8   | .9    |       |       |       |       |       |       |       | 3.2        | 6.4          |
| NNW                    | .7                  | 1.8 | 1.4  | .1    |       |       |       |       |       |       |       | 4.0        | 6.0          |

|          |                      |      |      |      |     |    |  |  |  |  |  |       |      |
|----------|----------------------|------|------|------|-----|----|--|--|--|--|--|-------|------|
| VARIABLE |                      |      |      |      |     |    |  |  |  |  |  |       |      |
| CALM     | //////////////////// |      |      |      |     |    |  |  |  |  |  |       | 14.7 |
| TOTALS   | 14.3                 | 26.0 | 26.4 | 16.5 | 2.0 | .1 |  |  |  |  |  | 100.0 | 6.4  |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.2                  | 3.7  | 5.4  | 3.0   | .6    | .1    |       |       |       |       | 13.9       | 8.6          |
| NNE                    | .7                   | 1.1  | 1.7  | .8    | .1    |       |       |       |       |       | 4.4        | 7.8          |
| NE                     | .4                   | .7   | .7   | .2    |       |       |       |       |       |       | 1.8        | 7.3          |
| ENE                    | .2                   | .2   | .1   |       |       |       |       |       |       |       | .6         | 4.2          |
| E                      | .7                   | .6   | .7   |       |       |       |       |       |       |       | 2.7        | 5.0          |
| ESE                    | 1.1                  | .2   | .4   |       |       |       |       |       |       |       | 1.7        | 4.3          |
| SE                     | 1.1                  | .8   | .6   | .4    |       |       |       |       |       |       | 2.8        | 5.6          |
| SSE                    | 1.1                  | 2.1  | 1.9  | .6    | .2    |       |       |       |       |       | 6.1        | 7.2          |
| S                      | 2.9                  | 2.5  | 3.8  | 2.5   | .4    | .1    |       |       |       |       | 12.1       | 7.7          |
| SSW                    | 1.4                  | 3.8  | 1.9  | 3.3   | .1    |       |       |       |       |       | 10.5       | 7.9          |
| SW                     | 1.3                  | 1.7  | 2.0  | 1.5   |       |       |       |       |       |       | 6.5        | 7.2          |
| WSW                    | .5                   | 1.5  | 1.8  | .9    |       |       |       |       |       |       | 4.7        | 7.8          |
| W                      | 1.4                  | 3.1  | 1.7  | .5    | .1    |       |       |       |       |       | 6.7        | 6.0          |
| WNW                    | 1.1                  | 2.2  | 1.2  | .2    | .1    |       |       |       |       |       | 4.8        | 5.8          |
| NW                     | 1.4                  | .9   | 1.2  | .2    |       |       |       |       |       |       | 3.8        | 5.2          |
| NNW                    | .7                   | 1.3  | 1.2  | .4    |       |       |       |       |       |       | 3.5        | 6.4          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 13.9       | ////         |
| TOTALS                 | 17.0                 | 26.2 | 26.1 | 14.3  | 1.7   | .2    |       |       |       |       | 100.0      | 6.2          |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS (LST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | 2.1                                  | 3.9  | 4.5  | 3.0   | .8    |       |       |       |       |       |            | 14.3         | 8.2   |
| NNE                    | .5                                   | .9   | .8   | .5    |       |       |       |       |       |       |            | 2.6          | 7.1   |
| NE                     | .2                                   | .7   | .4   |       |       |       |       |       |       |       |            | 1.3          | 5.4   |
| NNE                    | .7                                   | .7   |      |       |       |       |       |       |       |       |            | 1.4          | 3.4   |
| E                      | .1                                   | .7   | .4   | .1    |       |       |       |       |       |       |            | 1.3          | 6.7   |
| ESE                    | .7                                   | .6   | .6   | .5    |       |       |       |       |       |       |            | 2.4          | 6.4   |
| SE                     | .6                                   | .8   | .6   | .1    |       |       |       |       |       |       |            | 2.1          | 5.4   |
| SSE                    | .9                                   | 2.4  | 1.7  | 1.2   | .4    |       |       |       |       |       |            | 6.5          | 7.8   |
| S                      | 3.3                                  | 2.6  | 1.8  | 2.7   | .4    |       |       |       |       |       |            | 10.8         | 7.5   |
| SSW                    | .9                                   | 1.9  | 3.0  | 2.0   | .4    |       |       |       |       |       |            | 8.2          | 8.7   |
| SW                     | 1.2                                  | 1.3  | 1.3  | .5    |       |       |       |       |       |       |            | 4.3          | 6.1   |
| WSW                    | .9                                   | 1.2  | 1.4  | .9    |       |       |       |       |       |       |            | 4.5          | 7.0   |
| W                      | 2.2                                  | 2.0  | 2.2  | 1.4   |       |       |       |       |       |       |            | 7.9          | 6.6   |
| WNW                    | 1.4                                  | 1.8  | 1.2  | .6    |       |       |       |       |       |       |            | 5.0          | 6.0   |
| NW                     | 1.3                                  | 1.7  | 1.2  | .5    | .1    |       |       |       |       |       |            | 4.7          | 6.1   |
| NNW                    | 1.1                                  | 1.5  | 1.8  | .7    |       |       |       |       |       |       |            | 5.1          | 6.7   |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 17.7       | ////         |       |
| TOTALS                 | 19.3                                 | 24.6 | 22.7 | 14.7  | 2.0   |       |       |       |       |       |            | 100.0        | 5.9   |

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.5                  | 3.9  | 5.7  | 6.7   | .9    |       |       |       |       |       |       | 18.8       | 9.4          |
| NNE                    | .5                   | 1.1  | 1.3  | .6    |       |       |       |       |       |       |       | 3.7        | 7.5          |
| NE                     | .6                   | 1.5  | .6   | .1    |       |       |       |       |       |       |       | 2.8        | 5.3          |
| ENE                    | .5                   | .1   | .5   |       |       |       |       |       |       |       |       | 1.1        | 5.1          |
| E                      | .8                   | .4   | .9   | .2    |       |       |       |       |       |       |       | 2.4        | 6.1          |
| ESE                    | .5                   | .9   | .8   |       |       |       |       |       |       |       |       | 2.2        | 5.4          |
| SE                     | .2                   | .8   | .9   | .4    | .1    | .1    |       |       |       |       |       | 2.6        | 8.5          |
| SSE                    | .2                   | .9   | 1.9  | 1.2   | .6    | .2    |       |       |       |       |       | 5.1        | 10.5         |
| S                      | 1.8                  | 1.9  | 3.4  | 3.3   | 2.0   |       |       |       |       |       |       | 12.4       | 10.0         |
| SSW                    | .5                   | 1.3  | 2.6  | 3.4   | .8    | .1    |       |       |       |       |       | 8.7        | 10.8         |
| SW                     | .8                   | .9   | 1.8  | 1.5   | .2    |       |       |       |       |       |       | 5.3        | 9.0          |
| WSW                    | .5                   | .5   | 1.1  | .7    | .2    | .1    |       |       |       |       |       | 3.1        | 9.0          |
| W                      | .7                   | 1.4  | 1.4  | 1.7   | .7    | .2    |       |       |       |       |       | 6.1        | 9.9          |
| WNW                    | .9                   | 1.7  | 1.8  | 1.3   | .5    | .1    |       |       |       |       |       | 6.3        | 8.3          |
| NW                     | .5                   | 1.2  | 2.5  | 1.3   | .4    |       |       |       |       |       |       | 5.8        | 9.2          |
| NNW                    | .5                   | 1.2  | 2.4  | 1.9   | .1    |       |       |       |       |       |       | 6.4        | 8.9          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 7.2        | ////         |
| TOTALS                 | 11.1                 | 19.7 | 29.6 | 24.0  | 6.6   | .9    |       |       |       |       |       | 100.0      | 8.4          |

TOTAL NUMBER OF OBSERVATIONS: 946



GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 7A-87  
MONTH: FEB HOURS(IST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .5                                   | 4.3  | 5.8  | 8.2   | 1.1   | .5    |       |       |       |       |       | 20.7       | 10.3         |
| NNE                    | .6                                   | 2.4  | 1.1  | 1.4   | .4    | .1    |       |       |       |       |       | 5.9        | 8.7          |
| NE                     | .5                                   | 1.2  | 1.2  | .2    |       |       |       |       |       |       |       | 3.1        | 6.4          |
| ENE                    | 1.1                                  |      | .7   |       |       |       |       |       |       |       |       | 1.8        | 4.7          |
| E                      | .7                                   | 1.4  | 1.4  | .1    |       |       |       |       |       |       |       | 3.7        | 5.8          |
| ESE                    | .5                                   | .9   | .7   |       |       |       |       |       |       |       |       | 2.1        | 5.6          |
| SE                     | .5                                   | .8   | .8   | .2    | .1    |       |       |       |       |       |       | 2.5        | 7.0          |
| SSE                    | .6                                   | .7   | 1.4  | 1.2   | .4    | .4    |       |       |       |       |       | 4.6        | 10.2         |
| S                      | .8                                   | 2.5  | 2.8  | 5.6   | .8    | .5    |       |       |       |       |       | 13.0       | 10.8         |
| SSW                    | .4                                   | .6   | 3.8  | 3.8   | .8    | .1    |       |       |       |       |       | 9.5        | 11.2         |
| SW                     | .6                                   | .9   | 1.9  | 2.1   | .2    | .1    |       |       |       |       |       | 5.9        | 9.8          |
| WSW                    | .2                                   | .7   | 1.5  | 1.1   | .5    |       |       |       |       |       |       | 4.0        | 10.6         |
| W                      | 1.1                                  | 1.3  | .8   | 1.7   | .5    | .1    |       |       |       |       |       | 5.6        | 9.6          |
| WNW                    | .5                                   | 1.1  | .6   | .7    | .5    | .5    |       |       |       |       |       | 3.8        | 10.8         |
| NW                     | .6                                   | .8   | 1.4  | .7    | .2    |       |       |       |       |       |       | 3.8        | 8.6          |
| NNW                    | .5                                   | 1.3  | 2.5  | 2.5   | .4    |       |       |       |       |       |       | 7.1        | 10.0         |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |       | 3.1        | ////         |
| TOTALS                 | 9.5                                  | 20.9 | 28.5 | 29.4  | 5.9   | 2.2   |       |       |       |       |       | 100.0      | 9.3          |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | .7                   | 3.3  | 6.4  | 5.9   | 1.1   | .5    |       | 17.8       | 10.4         |
| NNE                    | .2                   | 2.1  | 1.9  | 2.4   | .7    |       |       | 7.3        | 9.6          |
| NE                     | .9                   | .8   | .8   | .4    |       |       |       | 3.0        | 6.2          |
| NNE                    | .9                   | .6   | 1.1  | .4    | .1    |       |       | 3.1        | 6.9          |
| E                      | .6                   | 1.2  | 1.2  |       |       |       |       | 3.0        | 6.0          |
| ESE                    | .6                   | 1.1  | .7   |       |       |       |       | 2.4        | 4.9          |
| SE                     | .8                   | 2.0  | 1.3  | .5    | .1    |       |       | 4.7        | 6.9          |
| SSE                    | .1                   | .7   | 2.6  | 2.2   | .7    |       |       | 6.4        | 11.1         |
| S                      | .4                   | 1.8  | 5.8  | 5.0   | .6    | .2    |       | 13.7       | 10.5         |
| SSW                    | .1                   | .9   | 3.5  | 3.7   | .1    |       |       | 8.3        | 10.3         |
| SW                     | .5                   | .8   | 1.1  | 1.3   | .2    |       |       | 3.9        | 9.2          |
| WSW                    | .1                   | .7   | .9   | 1.3   | .4    | .1    |       | 3.5        | 11.2         |
| W                      | .7                   | 1.4  | 2.8  | 2.1   | .5    |       |       | 7.6        | 9.5          |
| WNW                    | .2                   | .7   | .7   | .4    | .4    |       |       | 2.4        | 9.6          |
| NW                     | .6                   | .9   | .6   | 1.5   | .2    |       |       | 3.9        | 9.5          |
| NNW                    | .8                   | 1.3  | 2.0  | 1.2   | .5    |       |       | 5.8        | 8.8          |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 3.3        | ////         |
| TOTALS                 | 8.4                  | 20.3 | 33.5 | 28.1  | 5.6   | .9    |       | 100.0      | 9.2          |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | 2.7                  | 3.7  | 5.2  | 3.7   | .5    |       |       | 15.7       | 8.1          |
| NNE                    | .5                   | 2.0  | 1.9  | 1.4   | .6    | .1    |       | 6.5        | 9.2          |
| NE                     | 1.5                  | 1.2  | 2.4  | .4    | .1    |       |       | 5.6        | 6.6          |
| ENE                    | .6                   | 1.4  | 1.5  | .1    |       |       |       | 3.7        | 6.1          |
| E                      | 1.9                  | 1.4  | .9   |       |       |       |       | 4.3        | 4.4          |
| ESE                    | .2                   | .7   | .5   | .2    |       |       |       | 1.7        | 7.1          |
| SE                     | .9                   | .7   | 1.6  | .5    | .2    |       |       | 4.1        | 7.7          |
| SSE                    | 1.1                  | 3.0  | 2.2  | 1.1   | .1    | .1    |       | 7.6        | 7.3          |
| S                      | 3.5                  | 5.3  | 4.0  | 2.0   | .1    |       |       | 15.0       | 6.4          |
| SSW                    | 2.8                  | 2.2  | 1.4  | 1.2   |       |       |       | 7.7        | 5.7          |
| SW                     | 1.2                  | 2.2  | .1   |       |       |       |       | 3.5        | 4.0          |
| WSW                    | .4                   | .8   | .2   | .1    |       |       |       | 1.5        | 5.4          |
| W                      | .7                   | .8   | 1.2  | .5    | .1    |       |       | 3.3        | 7.4          |
| WNW                    | .4                   | .4   | .4   | .6    |       | .1    |       | 1.8        | 9.0          |
| NW                     | .6                   | .5   | 1.1  | 1.1   | .1    |       |       | 3.3        | 8.8          |
| NNW                    | .8                   | 1.2  | .7   | 1.4   |       |       |       | 4.1        | 7.9          |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 10.6       | ////         |
| TOTALS                 | 19.9                 | 27.5 | 25.5 | 14.2  | 1.9   | .4    |       | 100.0      | 6.3          |

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 79-87  
MONTH: FEB HOURS(LST): 2100-2300

| DIRECTION<br>(DTG DEGS) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|-------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                         | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                       | 1.1                  | 2.6  | 3.1  | 2.2   | .8    | .1    |       |       |       |       | 9.9        | 9.0          |
| NNE                     | .9                   | 1.3  | 1.4  | 2.4   | .5    | .2    |       |       |       |       | 6.7        | 9.5          |
| NE                      | .6                   | 1.9  | 2.0  | .2    |       |       |       |       |       |       | 4.7        | 6.7          |
| ENE                     | .2                   | 1.3  | .6   |       |       |       |       |       |       |       | 2.1        | 5.3          |
| E                       | .9                   | 2.4  | .4   | .1    |       |       |       |       |       |       | 3.8        | 5.1          |
| ESE                     | .6                   | .6   | .5   | .2    |       |       |       |       |       |       | 1.9        | 5.8          |
| SE                      | .6                   | .5   | 1.1  | .7    |       |       |       |       |       |       | 2.8        | 8.0          |
| SSE                     | 1.5                  | 1.8  | 2.1  | 2.2   | .6    |       |       |       |       |       | 8.3        | 8.5          |
| S                       | 3.8                  | 3.9  | 3.8  | 4.5   | .7    | .5    |       |       |       |       | 17.1       | 8.2          |
| SSW                     | 3.0                  | 3.0  | 1.6  | 1.1   | .1    |       |       |       |       |       | 9.0        | 5.8          |
| SW                      | .8                   | 2.2  | .7   | .1    |       |       |       |       |       |       | 3.9        | 5.0          |
| WSW                     | .7                   | 1.2  | .4   | .2    |       | .1    |       |       |       |       | 2.6        | 5.9          |
| W                       | .7                   | 1.9  | .6   | .1    | .2    |       |       |       |       |       | 3.5        | 6.1          |
| WNW                     | .1                   | .8   | .4   |       | .1    |       |       |       |       |       | 1.4        | 7.0          |
| NW                      | 1.2                  | .5   | 1.2  | 1.1   |       |       |       |       |       |       | 3.9        | 7.3          |
| NNW                     | .3                   | 1.4  | 1.3  | .5    | .1    |       |       |       |       |       | 4.3        | 6.8          |
| VARIABLE                |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                    | //////////////////// |      |      |       |       |       |       |       |       |       | 13.9       | ////         |
| TOTALS                  | 17.6                 | 27.2 | 21.3 | 15.4  | 3.2   | .9    |       |       |       |       | 100.0      | 6.4          |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(1ST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | 1.4                  | 3.6  | 5.1  | 4.5   | .8    | .2    |       | 15.5       | 9.2          |
| NNE                    | .5                   | 1.5  | 1.5  | 1.3   | .3    | .1    |       | 5.2        | 8.8          |
| NE                     | .7                   | 1.0  | 1.1  | .2    | .0    |       |       | 3.0        | 6.3          |
| NNE                    | .6                   | .6   | .6   | .1    | .0    |       |       | 1.9        | 5.5          |
| E                      | .8                   | 1.1  | .8   | .1    |       |       |       | 2.9        | 5.4          |
| ESE                    | .6                   | .7   | .6   | .1    |       |       |       | 2.0        | 5.7          |
| SE                     | .6                   | 1.0  | 1.0  | .4    | .1    | .0    |       | 3.1        | 7.1          |
| SSE                    | .9                   | 1.7  | 2.1  | 1.4   | .4    | .1    |       | 6.5        | 9.6          |
| S                      | 2.3                  | 3.0  | 3.6  | 3.7   | .7    | .2    |       | 13.5       | 9.7          |
| SSW                    | 1.3                  | 1.9  | 2.6  | 2.7   | .3    | .0    |       | 8.9        | 8.7          |
| SW                     | 1.0                  | 1.6  | 1.4  | 1.1   | .1    | .0    |       | 5.2        | 7.3          |
| WSW                    | .6                   | 1.0  | 1.0  | .7    | .1    | .0    |       | 3.5        | 6.1          |
| W                      | 1.1                  | 1.7  | 1.5  | 1.0   | .3    | .0    |       | 5.6        | 7.8          |
| WNW                    | .6                   | 1.3  | .8   | .5    | .0    | .1    |       | 3.5        | 7.6          |
| NW                     | .6                   | 1.0  | 1.2  | .8    | .1    |       |       | 4.0        | 7.7          |
| NNW                    | .8                   | 1.4  | 1.7  | 1.1   | .1    |       |       | 5.0        | 8.0          |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 10.6       | ////         |
| TOTALS                 | 14.6                 | 24.1 | 26.7 | 19.8  | 3.6   | .7    |       | 100.0      | 7.3          |

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .5                                   | 1.7  | 1.3  | 1.4   | .8    | .5    |       |       |       |       | 6.8        | 10.7         |
| NNE                    | .3                                   | 1.3  | 1.7  | .9    |       |       |       |       |       |       | 4.2        | 8.0          |
| NE                     | .3                                   | .5   | .6   | .1    |       |       |       |       |       |       | 1.6        | 6.1          |
| NNE                    | .8                                   | .8   | .2   |       |       |       |       |       |       |       | 1.7        | 4.4          |
| E                      | .4                                   | 1.1  | .4   |       |       |       |       |       |       |       | 1.9        | 5.2          |
| ESE                    | .9                                   | 1.1  | .8   |       |       |       |       |       |       |       | 2.7        | 5.7          |
| SE                     | 1.2                                  | .8   | .8   | .8    | .1    |       |       |       |       |       | 3.5        | 7.2          |
| SSE                    | 1.3                                  | 3.9  | 3.1  | 3.8   | 1.3   |       |       |       |       |       | 13.3       | 9.3          |
| S                      | 2.9                                  | 2.8  | 4.4  | 6.2   | 1.6   |       |       |       |       |       | 17.8       | 9.7          |
| SSW                    | 1.7                                  | 2.3  | 1.8  | 2.4   | .9    |       |       |       |       |       | 9.0        | 5.6          |
| SW                     | 1.5                                  | 1.7  | 1.0  | 1.1   | .2    |       |       |       |       |       | 5.5        | 7.1          |
| WSW                    | .6                                   | 1.9  | 1.3  | .6    |       |       |       |       |       |       | 4.5        | 6.9          |
| W                      | 1.2                                  | 2.0  | 1.3  | 1.1   |       |       |       |       |       |       | 5.6        | 6.7          |
| WNW                    | .6                                   | 1.0  | .8   | .4    |       |       |       |       |       |       | 2.8        | 6.8          |
| NW                     | .8                                   | 1.1  | .6   | .8    |       |       |       |       |       |       | 3.2        | 7.7          |
| NNW                    | .9                                   | .6   | .8   | 1.5   | .9    |       |       |       |       |       | 4.2        | 5.8          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 11.5       | ////         |
| TOTALS                 | 15.8                                 | 24.5 | 20.9 | 21.5  | 5.7   | .5    |       |       |       |       | 100.0      | 7.4          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .8                   | 2.3  | 2.4  | 3.2   | .4    | .5    |       |       |       |       | 9.6        | 10.1         |
| NNE                    | .3                   | 1.1  | 1.0  | .5    |       |       |       |       |       |       | 3.1        | 7.8          |
| NE                     | .3                   | 1.2  | .5   | .2    |       |       |       |       |       |       | 2.3        | 6.5          |
| ENE                    | .2                   | .2   |      |       |       |       |       |       |       |       | .4         | 3.3          |
| E                      | .9                   | .5   | .8   |       |       |       |       |       |       |       | 2.2        | 5.1          |
| ESE                    | .1                   | .8   | .5   |       |       |       |       |       |       |       | 1.4        | 6.2          |
| SE                     | .6                   | .8   | 1.7  | .2    |       |       |       |       |       |       | 3.3        | 6.6          |
| ESE                    | 2.6                  | 1.7  | 1.7  | 2.9   | .4    | .2    |       |       |       |       | 9.6        | 8.3          |
| S                      | 2.8                  | 4.4  | 4.4  | 6.0   | 1.4   | .5    |       |       |       |       | 19.8       | 9.8          |
| SSW                    | 1.3                  | 2.4  | 2.7  | 2.7   | .3    | .2    |       |       |       |       | 9.0        | 8.5          |
| SW                     | 1.1                  | .8   | .9   | 1.0   | .2    |       |       |       |       |       | 3.9        | 7.7          |
| WSW                    | .4                   | .4   | 1.3  | 1.7   |       |       |       |       |       |       | 4.1        | 9.3          |
| W                      | 1.7                  | 2.3  | 2.4  | .9    | .2    |       |       |       |       |       | 6.7        | 7.3          |
| WNW                    | .5                   | 1.5  | 1.5  | .2    | .2    |       |       |       |       |       | 4.1        | 7.1          |
| NW                     | .8                   | 1.8  | .6   | .2    |       |       |       |       |       |       | 3.5        | 5.3          |
| NNW                    | .8                   | 1.9  | 1.2  | 1.0   |       |       |       |       |       |       | 4.8        | 6.9          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 12.3       | ////         |
| TOTALS                 | 14.5                 | 24.0 | 23.7 | 20.4  | 3.5   | 1.5   |       |       |       |       | 100.0      | 7.3          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.9                  | 2.7  | 3.4  | 3.3   | .3    | .4    |       |       |       |       | 11.5       | 9.2          |
| NNE                    | .5                   | 1.1  | .9   | .5    |       |       |       |       |       |       | 3.0        | 6.9          |
| NE                     | .3                   | .3   | .5   | .3    |       |       |       |       |       |       | 1.5        | 7.3          |
| ENE                    | .1                   | .2   | .3   | .2    |       |       |       |       |       |       | .9         | 8.4          |
| E                      | .8                   | .9   | .5   | .1    |       |       |       |       |       |       | 2.3        | 5.1          |
| ESE                    | .4                   | .5   | 1.2  | .1    | .1    |       |       |       |       |       | 2.4        | 7.1          |
| SE                     | .7                   | 1.4  | .6   | .9    |       |       |       |       |       |       | 3.2        | 7.9          |
| SSE                    | .9                   | 2.2  | 2.3  | 1.1   | .4    |       |       |       |       |       | 6.8        | 8.0          |
| S                      | 2.3                  | 3.9  | 4.6  | 4.8   | 2.2   | .5    |       |       |       |       | 18.3       | 10.1         |
| SSW                    | 1.0                  | 2.3  | 2.7  | 3.2   | .2    | .1    |       |       |       |       | 9.5        | 9.0          |
| SW                     | 1.4                  | .8   | .8   | 1.2   | .2    |       |       |       |       |       | 4.3        | 7.7          |
| WSW                    | 1.1                  | .9   | 1.7  | .8    | .7    |       |       |       |       |       | 4.6        | 7.7          |
| W                      | .9                   | 3.4  | 1.9  | 1.7   | .4    |       |       |       |       |       | 8.4        | 7.8          |
| WNW                    | .6                   | 1.0  | 1.5  | .6    |       |       |       |       |       |       | 3.8        | 7.1          |
| NW                     | .6                   | .8   | 1.0  | .3    |       |       |       |       |       |       | 2.7        | 6.3          |
| NNW                    | .3                   | 1.4  | 2.0  | 1.7   |       |       |       |       |       |       | 5.9        | 8.5          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 11.1       | ////         |
| TOTALS                 | 13.9                 | 22.3 | 26.0 | 21.0  | 4.2   | 1.1   |       |       |       |       | 100.0      | 7.5          |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .4                   | 1.9  | 6.2  | 4.4   | 1.5   | .2    |       |       |       |       | 14.7       | 10.5         |
| NNE                    | .5                   | 1.0  | 2.0  | 1.4   | .2    |       |       |       |       |       | 5.2        | 9.2          |
| NE                     |                      | .9   | .6   | .4    |       |       |       |       |       |       | 1.9        | 7.4          |
| ENE                    | .3                   | .4   | .4   | .2    |       |       |       |       |       |       | 1.4        | 6.7          |
| E                      | .8                   | .6   | 1.1  |       |       |       |       |       |       |       | 2.5        | 5.5          |
| ESE                    | .2                   | 1.0  | 1.1  | .4    |       |       |       |       |       |       | 2.7        | 7.2          |
| SE                     | .8                   | 1.1  | 1.8  | 1.1   |       |       |       |       |       |       | 4.7        | 7.8          |
| SSE                    | .3                   | .8   | 2.4  | 2.4   | .5    | .1    |       |       |       |       | 6.5        | 11.0         |
| S                      | .6                   | 1.4  | 4.8  | 8.6   | 2.4   | .3    |       |       |       |       | 18.2       | 12.2         |
| SSW                    | .2                   | 1.1  | 2.6  | 7.9   | 1.3   | .2    |       |       |       |       | 9.2        | 12.1         |
| SW                     | .2                   | .3   | .9   | 1.5   | .2    | .2    |       |       |       |       | 3.5        | 11.6         |
| WSW                    | .5                   | 1.0  | 1.1  | 1.1   | .3    |       |       |       |       |       | 4.1        | 9.1          |
| W                      | .6                   | .8   | 1.2  | 7.0   | .1    | .9    | .4    |       |       |       | 7.0        | 13.1         |
| WNW                    | .1                   | .5   | 1.5  | 1.3   | .7    | .2    |       |       |       |       | 4.0        | 11.6         |
| NW                     | .4                   | .6   | 1.2  | 1.1   | .3    |       |       |       |       |       | 3.7        | 9.4          |
| NNW                    | .5                   | 1.0  | 2.0  | 2.8   | .6    |       |       |       |       |       | 7.0        | 10.4         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 3.8        | ////         |
| TOTALS                 | 6.9                  | 14.3 | 32.0 | 33.5  | 8.0   | 2.2   | .4    |       |       |       | 100.0      | 10.2         |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 7A-87  
MONTH: MAR HOURS ILST: 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .6                   | 2.3  | 4.4  | 5.6   | 1.4   | .4    |       |       |       |       |       | 14.7       | 11.1         |
| NNE                    | .6                   | 1.4  | 1.8  | 1.3   |       |       |       |       |       |       |       | 5.2        | 8.0          |
| NE                     | .9                   | 1.1  | 1.3  | .8    |       |       |       |       |       |       |       | 4.0        | 6.8          |
| ENE                    | .2                   | .2   | .5   | .3    |       |       |       |       |       |       |       | 1.3        | 6.1          |
| E                      | .5                   | .8   | 1.0  | .2    |       |       |       |       |       |       |       | 2.5        | 6.3          |
| ESE                    | .1                   | 1.0  | .6   | .4    |       |       |       |       |       |       |       | 2.2        | 7.5          |
| SE                     | .1                   | 1.0  | 1.9  | .9    | .1    |       |       |       |       |       |       | 4.0        | 8.8          |
| SSE                    | .4                   | 1.5  | 2.5  | 4.3   | 1.1   |       |       |       |       |       |       | 9.8        | 11.0         |
| S                      | .4                   | 1.6  | 4.0  | 8.1   | 2.3   | .5    |       |       |       |       |       | 16.9       | 12.2         |
| SSW                    |                      | 1.1  | 2.0  | 3.6   | 1.0   | .1    |       |       |       |       |       | 8.0        | 12.3         |
| SW                     |                      | .4   | 1.2  | 1.6   | .2    |       |       |       |       |       |       | 3.7        | 10.9         |
| WSW                    | .7                   | .2   | 1.3  | 2.0   | .1    | .7    | .1    |       |       |       |       | 4.3        | 12.1         |
| W                      | .7                   | .4   | 2.0  | 3.1   | .5    | 1.0   | .4    | .1    |       |       |       | 8.1        | 14.8         |
| WNW                    | .4                   | .4   | 1.7  | .7    | .4    | .7    |       |       |       |       |       | 4.1        | 11.0         |
| NW                     | .6                   | .5   | 1.6  | 1.4   | .1    |       |       |       |       |       |       | 4.5        | 9.0          |
| NNW                    | .3                   | .8   | 1.8  | 1.7   | .5    | .2    |       |       |       |       |       | 5.4        | 11.0         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 1.6        | ////         |
| TOTALS                 | 5.9                  | 14.6 | 30.0 | 36.6  | 4.0   | 2.7   | .5    | .1    |       |       |       | 100.0      | 10.8         |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .5                   | 1.9  | 2.9  | 6.9   | .6    | .3    |       |       |       |       | 13.3       | 11.3         |
| NNE                    | .6                   | 1.7  | 1.7  | .5    | .2    |       |       |       |       |       | 4.5        | 7.8          |
| NE                     | .3                   | .6   | 1.9  | .6    |       |       |       |       |       |       | 3.5        | 7.7          |
| ENE                    | .8                   | 1.0  | .9   | .4    | .1    |       |       |       |       |       | 3.1        | 7.0          |
| E                      | 1.1                  | 1.2  | 1.2  | .1    |       |       |       |       |       |       | 3.7        | 5.8          |
| ESE                    | .4                   | .9   | 1.0  | .5    |       |       |       |       |       |       | 2.8        | 7.0          |
| SE                     | .2                   | 1.1  | 2.0  | 2.2   | .2    |       |       |       |       |       | 5.7        | 9.7          |
| SSE                    | .4                   | 1.2  | 2.6  | 4.4   | 1.4   | .1    |       |       |       |       | 10.1       | 11.7         |
| S                      | .5                   | 1.2  | 4.4  | 6.6   | 1.5   | .6    |       |       |       |       | 15.3       | 12.1         |
| SSW                    |                      | 1.5  | 1.9  | 3.2   | 1.7   |       |       |       |       |       | 7.6        | 10.9         |
| SW                     | .5                   | .3   | 1.2  | 1.6   | .2    |       |       |       |       |       | 4.2        | 10.2         |
| WSW                    | .4                   | .4   | 1.3  | 1.4   | .7    | .2    |       |       |       |       | 4.7        | 11.2         |
| W                      | .1                   | .6   | 2.9  | 3.1   | 1.7   | .6    | .3    |       |       |       | 8.8        | 13.7         |
| WNW                    | .4                   | .7   | 1.0  | 1.1   | .4    | .2    |       |       |       |       | 3.4        | 10.9         |
| NW                     | .7                   | .2   | 1.1  | 1.0   | .2    |       |       |       |       |       | 2.8        | 10.4         |
| NNW                    | .2                   | .6   | 1.6  | 2.3   | .4    | .1    |       |       |       |       | 5.3        | 10.8         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 1.5        | ////         |
| TOTALS                 | 7.2                  | 14.3 | 29.5 | 36.1  | 8.7   | 2.3   | .3    |       |       |       | 100.0      | 10.5         |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .6                   | 2.4  | 3.1  | 4.3   | .5    | .1    |       |       |       |       | 11.1       | 10.0         |
| NNE                    | .9                   | 2.0  | 1.4  | 1.4   |       |       |       |       |       |       | 5.7        | 7.6          |
| NE                     | .9                   | 1.3  | 1.3  | .2    |       |       |       |       |       |       | 3.7        | 5.7          |
| ENE                    | .9                   | 1.8  | 1.1  | .1    |       |       |       |       |       |       | 3.8        | 5.3          |
| E                      | 1.2                  | 2.7  | 1.3  | .1    |       |       |       |       |       |       | 5.4        | 5.4          |
| ESE                    | 1.0                  | 2.7  | 1.1  | .5    |       |       |       |       |       |       | 5.3        | 6.4          |
| SE                     | .5                   | 1.5  | 1.8  | 3.1   | .5    |       |       |       |       |       | 7.5        | 10.0         |
| SSE                    | 1.0                  | 3.0  | 3.1  | 3.0   | 1.5   |       |       |       |       |       | 12.0       | 9.6          |
| S                      | 2.4                  | 3.5  | 4.5  | 3.5   | .5    | .4    | .1    |       |       |       | 15.4       | 8.9          |
| SSW                    | .4                   | 2.6  | 1.3  | 1.3   |       |       |       |       |       |       | 5.9        | 7.1          |
| SW                     | .5                   | 1.5  | .8   | .1    |       |       |       |       |       |       | 3.0        | 5.5          |
| WSW                    | .4                   | .9   | .9   | .4    | .2    |       |       |       |       |       | 2.8        | 8.0          |
| W                      | .3                   | .2   | .8   | 1.4   | .2    |       |       |       |       |       | 3.0        | 10.9         |
| WNW                    | .3                   | .1   | .6   | .1    | .2    | .1    |       |       |       |       | 2.8        | 8.7          |
| NW                     | .1                   | .8   | .9   | .6    | .3    | .1    | .1    |       |       |       | 2.9        | 11.0         |
| NNW                    | .3                   | .9   | 1.1  | .5    | .1    | .2    |       |       |       |       | 3.3        | 8.8          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 6.5        | ////         |
| TOTALS                 | 12.7                 | 28.0 | 25.8 | 21.3  | 4.6   | 1.7   | .2    |       |       |       | 100.0      | 7.9          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .9                   | 1.3  | 1.7  | 2.5   | .3    |       |       |       |       |       | 6.7        | 9.3          |
| NNE                    | 1.0                  | 1.4  | 1.1  | .4    | .2    |       |       |       |       |       | 4.1        | 6.9          |
| NE                     | .5                   | 1.6  | 1.2  | .5    |       |       |       |       |       |       | 3.9        | 6.7          |
| ENE                    | 1.1                  | 1.0  | 1.2  | .1    |       |       |       |       |       |       | 3.3        | 5.4          |
| E                      | 1.2                  | 1.2  | .1   |       |       |       |       |       |       |       | 2.5        | 3.6          |
| ESE                    | 1.1                  | 1.9  | 1.5  | .1    |       |       |       |       |       |       | 4.5        | 5.5          |
| SE                     | .9                   | 2.3  | 1.1  | 1.5   | .2    |       |       |       |       |       | 5.9        | 7.9          |
| SEF                    | 1.4                  | 2.6  | 3.0  | 4.1   | 1.2   | .1    |       |       |       |       | 12.4       | 9.9          |
| S                      | 2.8                  | 3.1  | 4.1  | 5.2   | 2.2   | .1    |       |       |       |       | 17.4       | 9.8          |
| SSW                    | 2.5                  | 2.4  | 2.3  | 1.3   | .1    |       |       |       |       |       | 8.5        | 6.3          |
| SW                     | 2.2                  | 1.8  | .5   | .2    |       |       |       |       |       |       | 4.7        | 4.4          |
| WSW                    | .9                   | 1.1  | .8   | .4    | .1    |       |       |       |       |       | 3.1        | 6.7          |
| W                      | 1.1                  | 1.0  | 1.0  | .3    |       |       |       |       |       |       | 3.3        | 5.9          |
| WNW                    | .6                   | .6   | .2   | .6    | .2    |       |       |       |       |       | 2.4        | 7.8          |
| NW                     | .2                   | .5   | .2   | 1.0   | .1    | .1    |       |       |       |       | 2.2        | 10.4         |
| NNW                    | .6                   | .9   | .5   | 1.1   | .4    | .1    |       |       |       |       | 3.7        | 9.7          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 11.5       | ////         |
| TOTALS                 | 18.7                 | 24.5 | 20.4 | 19.4  | 5.1   | .4    |       |       |       |       | 100.0      | 7.0          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .8                   | 2.0  | 3.2  | 4.0   | .7    | .3    |       |       |       |       |       | 11.0       | 10.4         |
| NNE                    | .6                   | 1.3  | 1.5  | .9    | .1    |       |       |       |       |       |       | 4.4        | 7.8          |
| NE                     | .4                   | .9   | 1.0  | .4    |       |       |       |       |       |       |       | 2.8        | 6.8          |
| ENE                    | .5                   | .7   | .6   | .2    | .0    |       |       |       |       |       |       | 2.0        | 6.0          |
| E                      | .9                   | 1.1  | .8   | .1    |       |       |       |       |       |       |       | 2.8        | 5.3          |
| ESE                    | .5                   | 1.2  | 1.0  | .3    | .0    |       |       |       |       |       |       | 3.0        | 6.4          |
| SE                     | .6                   | 1.2  | 1.5  | 1.3   | .1    |       |       |       |       |       |       | 4.7        | 8.5          |
| SSE                    | 1.0                  | 2.1  | 2.6  | 3.2   | 1.0   | .1    |       |       |       |       |       | 10.1       | 9.9          |
| S                      | 1.9                  | 2.7  | 4.4  | 6.1   | 1.9   | .4    | .0    |       |       |       |       | 17.4       | 10.6         |
| SSW                    | .9                   | 1.9  | 2.2  | 2.6   | .6    | .1    |       |       |       |       |       | 8.3        | 9.4          |
| SW                     | 1.0                  | 1.0  | .9   | 1.1   | .2    | .0    |       |       |       |       |       | 4.1        | 8.0          |
| WSW                    | .6                   | .9   | 1.2  | 1.1   | .2    | .1    | .0    |       |       |       |       | 4.0        | 9.0          |
| W                      | .7                   | 1.3  | 1.7  | 1.6   | .4    | .3    | .1    | .0    |       |       |       | 6.4        | 10.5         |
| WNW                    | .5                   | .9   | 1.1  | .7    | .2    | .1    |       |       |       |       |       | 3.4        | 9.0          |
| NW                     | .5                   | .9   | .9   | .6    | .1    | .0    | .0    |       |       |       |       | 3.2        | 8.5          |
| NNW                    | .6                   | 1.0  | 1.4  | 1.6   | .2    | .1    |       |       |       |       |       | 4.9        | 9.6          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 7.5        | ////         |
| TOTALS                 | 12.0                 | 20.9 | 25.9 | 26.2  | 5.9   | 1.5   | .2    | .0    |       |       |       | 100.0      | 8.6          |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .4                   | 1.6  | 1.6  | 1.9   | .3    |       |       |       |       |       |       | 5.8        | 9.1          |
| NNE                    | .1                   | .4   | .8   | 1.2   | .2    | .2    |       |       |       |       |       | 3.0        | 11.7         |
| NE                     | .7                   | .4   | 1.2  | .4    |       |       |       |       |       |       |       | 2.8        | 7.2          |
| ENE                    | .2                   | .7   | 1.0  | .2    |       |       |       |       |       |       |       | 2.1        | 6.9          |
| E                      | .6                   | .3   | .8   | .1    |       |       |       |       |       |       |       | 1.8        | 5.8          |
| ESE                    | .9                   | .9   | 1.4  | .4    |       |       |       |       |       |       |       | 3.6        | 6.8          |
| SF                     | .8                   | 1.1  | .8   | 1.7   |       |       |       |       |       |       |       | 4.3        | 8.4          |
| SSE                    | 1.9                  | 2.4  | 3.2  | 5.7   | .3    | .4    |       |       |       |       |       | 14.4       | 9.9          |
| S                      | 3.2                  | 4.4  | 7.1  | 6.1   | 2.1   | .4    |       |       |       |       |       | 23.8       | 9.6          |
| SSW                    | 2.2                  | 2.0  | 1.3  | 2.9   | .6    |       |       |       |       |       |       | 9.0        | 8.2          |
| SW                     | 1.2                  | .6   | .6   | .3    | .1    |       |       |       |       |       |       | 2.8        | 5.8          |
| WSW                    | .6                   | .9   | .7   | .2    |       |       |       |       |       |       |       | 2.3        | 6.0          |
| W                      | .9                   | 2.2  | .4   | .3    |       |       |       |       |       |       |       | 3.8        | 5.4          |
| WNW                    | .4                   | .9   | .7   | .1    |       |       |       |       |       |       |       | 2.1        | 6.0          |
| NW                     | .4                   | .9   | .3   | .1    | .2    |       |       |       |       |       |       | 2.0        | 7.0          |
| NNW                    | .3                   | .7   | .6   | .6    | .1    |       |       |       |       |       |       | 2.2        | 8.1          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 14.2       | ////         |
| TOTALS                 | 14.7                 | 20.8 | 22.4 | 22.3  | 4.4   | 1.1   |       |       |       |       |       | 100.0      | 7.3          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | .4                   | 1.0  | 1.9  | 1.0   | .2    | .1    |       | 4.7        | 8.9          |
| NNE                    | .2                   | .7   | 1.1  | .9    | .7    |       |       | 3.6        | 10.5         |
| NE                     | .1                   | 1.1  | .8   | .2    | .1    |       |       | 2.3        | 7.4          |
| NNE                    | .7                   | .4   | .3   |       |       |       |       | 1.4        | 4.8          |
| E                      | .6                   | .8   | .2   | .4    |       |       |       | 2.0        | 5.9          |
| ESE                    | 1.0                  | .5   | .6   | .1    |       |       |       | 2.2        | 5.3          |
| SE                     | .9                   | .9   | .6   | .6    | .1    |       |       | 3.0        | 7.1          |
| SSF                    | 1.6                  | 2.6  | 3.3  | 3.2   | .6    |       |       | 11.2       | 8.7          |
| S                      | 2.9                  | 5.2  | 6.4  | 6.1   | 1.4   | .4    |       | 24.4       | 9.7          |
| SSW                    | 2.3                  | 1.7  | 2.3  | 2.3   | .4    |       |       | 9.1        | 8.0          |
| SW                     | 1.7                  | 1.4  | .9   | .4    |       |       |       | 4.4        | 5.7          |
| WSW                    | .9                   | .8   | .6   | .1    |       |       |       | 2.3        | 5.1          |
| W                      | 1.2                  | 1.4  | 2.0  | .2    | .2    |       |       | 5.1        | 7.0          |
| WNW                    | 1.1                  | 1.3  | 1.0  | .1    | .1    |       |       | 3.7        | 5.7          |
| NW                     | .4                   | .9   | .7   |       |       |       |       | 2.0        | 5.6          |
| NNW                    | .9                   | 1.4  | .8   | 1.0   |       |       |       | 4.1        | 7.0          |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 14.3       | ////         |
| TOTALS                 | 16.9                 | 22.2 | 23.4 | 14.8  | 3.9   | .6    |       | 100.0      | 6.9          |

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 79-87  
MONTH: APR HOURS (LST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.0                  | 1.2  | 2.9  | 1.8   |       |       |       |       |       |       | 6.9        | 8.3          |
| NNE                    | .0                   | .7   | .9   | 1.0   | .0    |       |       |       |       |       | 3.2        | 10.0         |
| NE                     | .0                   | .7   | .6   | .6    |       |       |       |       |       |       | 2.0        | 8.1          |
| NNE                    | .3                   | .6   | .4   | .2    |       |       |       |       |       |       | 1.6        | 6.3          |
| E                      | .8                   | 1.3  | .6   | .1    |       |       |       |       |       |       | 2.8        | 5.1          |
| SE                     | .3                   | 1.4  | .6   | .1    |       |       |       |       |       |       | 2.4        | 5.9          |
| SE                     | .7                   | 1.4  | 1.2  | .3    |       |       |       |       |       |       | 3.7        | 6.5          |
| SSE                    | 1.7                  | 1.6  | 4.6  | 2.3   | .3    |       |       |       |       |       | 10.4       | 8.5          |
| S                      | 2.1                  | 4.6  | 6.4  | 5.7   | 1.3   | .1    |       |       |       |       | 20.2       | 9.4          |
| SSW                    | 1.0                  | 2.0  | 3.2  | 1.2   | .4    |       |       |       |       |       | 9.9        | 9.2          |
| SW                     | 1.2                  | .9   | 1.0  | 1.8   |       |       |       |       |       |       | 4.9        | 7.8          |
| WSW                    | .6                   | .9   | 1.2  | .3    |       |       |       |       |       |       | 3.0        | 6.7          |
| W                      | .9                   | 2.6  | 1.8  | .1    | .1    | .4    |       |       |       |       | 5.9        | 7.2          |
| WNW                    | .6                   | 2.1  | 2.0  | .0    |       |       |       |       |       |       | 5.2        | 6.9          |
| NW                     | .2                   | 1.0  | 1.3  | .4    |       |       |       |       |       |       | 3.3        | 8.2          |
| NNW                    | .4                   | .8   | 1.6  | 1.3   | .1    |       |       |       |       |       | 4.2        | 9.1          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 10.3       | ////         |
| TOTALS                 | 12.2                 | 23.7 | 30.2 | 20.4  | 2.6   | .6    |       |       |       |       | 100.0      | 7.4          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
 MONTH: APR HOURS(LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .4                   | 1.3  | 4.1  | 4.7   | 1.0   | .6    |       |       |       |       |       | 12.1       | 11.4         |
| NNE                    | .2                   | .1   | 1.6  | 2.3   | .4    |       |       |       |       |       |       | 4.7        | 11.7         |
| NF                     | .3                   | .9   | .6   | 1.0   |       |       |       |       |       |       |       | 2.7        | 9.5          |
| ENE                    | .3                   | .6   | .4   | .3    |       |       |       |       |       |       |       | 1.7        | 7.3          |
| E                      | .4                   | 1.2  | .8   | .2    |       |       |       |       |       |       |       | 2.7        | 6.0          |
| ESE                    | .3                   | 1.1  | 1.0  | .4    | .1    |       |       |       |       |       |       | 3.0        | 7.6          |
| SE                     | .6                   | .8   | 1.6  | 1.4   |       |       |       |       |       |       |       | 4.3        | 8.9          |
| SSE                    | .6                   | .7   | 3.0  | 2.3   | .4    |       |       |       |       |       |       | 7.0        | 10.0         |
| S                      | .4                   | 1.8  | 5.6  | 10.0  | 1.6   | .2    |       |       |       |       |       | 19.8       | 11.8         |
| SSW                    | .2                   | .4   | 3.8  | 5.2   | 1.3   |       |       |       |       |       |       | 11.0       | 12.0         |
| SW                     | .3                   | .9   | 1.9  | 2.3   |       |       |       |       |       |       |       | 5.4        | 9.4          |
| WSW                    | .7                   | .7   | 1.3  | 1.9   | .1    | .1    |       |       |       |       |       | 4.8        | 9.7          |
| W                      | .3                   | 1.0  | 2.1  | 1.3   | .3    | .6    |       |       |       |       |       | 5.7        | 11.1         |
| WNW                    | .4                   | .3   | 1.0  | 1.7   | .3    | .1    |       |       |       |       |       | 4.0        | 10.9         |
| NW                     | .4                   | .8   | 1.0  | .7    | .2    |       |       |       |       |       |       | 3.1        | 9.5          |
| NNW                    | .9                   | .9   | 1.9  | 1.9   | .2    | .2    | .1    |       |       |       |       | 6.1        | 9.9          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 2.0        | ////         |
| TOTALS                 | 7.0                  | 13.3 | 31.6 | 37.9  | 6.7   | 1.6   | .1    |       |       |       |       | 100.0      | 10.3         |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.2                  | 1.4  | 3.8  | 5.9   | .9    | .2    |       |       |       |       | 13.3       | 10.9         |
| NNE                    | .2                   | .4   | 1.4  | 1.8   | .1    | .3    |       |       |       |       | 4.4        | 11.1         |
| NE                     | .2                   | .4   | .6   | 1.1   | .1    |       |       |       |       |       | 2.4        | 10.0         |
| ENE                    | .4                   | .9   | .7   | 1.1   |       |       |       |       |       |       | 3.1        | 8.1          |
| E                      | .3                   | 1.1  | 1.1  | .3    | .1    |       |       |       |       |       | 3.0        | 7.5          |
| ESE                    | .4                   | 1.0  | 1.4  | .3    | .1    |       |       |       |       |       | 3.3        | 7.2          |
| SE                     | .6                   | 1.2  | 1.6  | 1.0   | .4    |       |       |       |       |       | 4.8        | 8.8          |
| SSE                    | .2                   | 1.0  | 3.4  | 3.1   | .6    | .1    |       |       |       |       | 8.4        | 10.9         |
| S                      | .7                   | 1.2  | 5.3  | 5.0   | 2.6   |       |       |       |       |       | 19.8       | 11.9         |
| SSW                    |                      | 1.0  | 3.3  | 3.1   | .4    |       |       |       |       |       | 7.9        | 10.8         |
| SW                     | .2                   | 1.2  | 2.2  | 1.4   | .2    |       | .1    |       |       |       | 5.4        | 9.5          |
| WSW                    | .2                   | .9   | 1.2  | 1.8   |       | .1    | .2    |       |       |       | 4.4        | 10.5         |
| W                      | .3                   | .4   | 1.7  | 1.9   | 1.3   | .2    | .1    |       |       |       | 6.0        | 12.7         |
| WNW                    | .4                   | .8   | 1.3  | 2.2   | .3    |       |       |       |       |       | 5.1        | 10.5         |
| NW                     | .3                   | 1.3  | 1.1  | 1.0   | .3    | .1    |       |       |       |       | 4.2        | 9.5          |
| NNW                    |                      | 1.0  | .8   | 2.0   | .1    | .1    | .1    |       |       |       | 4.1        | 11.1         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 1.1        | ////         |
| TOTALS                 | 6.0                  | 15.4 | 31.0 | 37.1  | 7.6   | 1.2   | .6    |       |       |       | 100.0      | 10.1         |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYEST APR TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .2                   | 1.7  | 2.3  | 4.4   | 1.0   |       |       |       |       |       | 6.7        | 11.1         |
| NNE                    | .1                   | .7   | 1.9  | 2.0   | .7    |       |       |       |       |       | 5.0        | 10.6         |
| NE                     |                      | .9   | 1.2  | 1.3   | .7    |       |       |       |       |       | 3.8        | 10.5         |
| NNE                    | .4                   | .4   | 1.1  | .4    | .1    |       |       |       |       |       | 2.9        | 7.8          |
| E                      | .2                   | 1.0  | 2.1  | .5    |       |       |       |       |       |       | 4.3        | 8.1          |
| ESE                    | .3                   | .6   | 1.2  |       | .7    |       |       |       |       |       | 2.3        | 7.6          |
| SE                     | .6                   | 1.0  | 2.2  | 1.7   | .1    | .1    |       |       |       |       | 5.7        | 9.2          |
| SSE                    | .2                   | 1.7  | 4.2  | 4.9   | 1.7   |       |       |       |       |       | 12.7       | 10.8         |
| S                      | .7                   | 2.0  | 6.2  | 7.6   | 1.9   |       |       |       |       |       | 17.9       | 11.4         |
| SSW                    | .6                   | 1.0  | 2.7  | 2.7   | .7    |       |       |       |       |       | 6.1        | 9.9          |
| SW                     | .2                   | 1.4  | 1.1  | 1.4   | .1    |       |       |       |       |       | 5.4        | 9.7          |
| WSW                    | .2                   | .7   | 1.4  | 1.7   | .7    |       |       |       |       |       | 5.8        | 10.2         |
| W                      |                      | .4   | 1.2  | 1.4   | .9    | .1    |       |       |       |       | 4.9        | 11.0         |
| WNW                    | .7                   | .1   | .7   | 1.7   | .4    |       |       |       |       |       | 3.2        | 10.2         |
| W                      | .7                   | 1.7  | 1.4  | 1.2   | .4    | .1    |       |       |       |       | 4.7        | 10.2         |
| WNW                    | .7                   | .4   | 2.8  | 1.5   | .4    | .1    |       |       |       |       | 6.7        | 10.8         |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 7.1        | ////         |
| TOTAL                  | 4.4                  | 11.7 | 33.4 | 37.7  | 7.1   | .4    |       |       |       |       | 100.0      | 10.7         |

TOTAL NUMBER OF OBSERVATIONS: 907

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1800-2000

| DIRECTION<br>101 DEGREES | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|--------------------------|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                          | 1-5                 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 |            |              |
| 0                        | 1.1                 | 1.1  | 1.6   | 1.6   | 1.7   |       |       |       |       |       |       | 10.9       | 9.1          |
| NNW                      | 1.0                 | 1.0  | 2.0   | 2.3   | 1.4   |       |       |       |       |       |       | 6.6        | 9.9          |
| N                        | 1.9                 | 1.9  | 2.0   | 1.7   |       |       |       |       |       |       |       | 5.0        | 7.8          |
| NNE                      | 1.7                 | 1.7  | 1.2   | 1.1   |       |       |       |       |       |       |       | 3.8        | 6.0          |
| E                        | 1.7                 | 1.8  | 1.8   | 1.7   |       |       |       |       |       |       |       | 5.7        | 5.9          |
| ENE                      | 1.4                 | 1.1  | 1.8   | 1.0   | 1.1   |       |       |       |       |       |       | 5.4        | 8.0          |
| ESE                      | 1.7                 | 1.4  | 2.8   | 1.0   | 1.7   | 1.1   |       |       |       |       |       | 8.2        | 9.3          |
| SSE                      | 1.1                 | 1.9  | 1.8   | 1.2   | 1.7   | 1.1   | 1.1   |       |       |       |       | 15.6       | 10.8         |
| S                        | 1.1                 | 1.1  | 4.0   | 1.7   | 1.1   | 1.1   | 1.1   |       |       |       |       | 13.7       | 8.7          |
| SSW                      | 1.1                 | 1.4  | 1.7   | 1.7   | 1.7   | 1.1   | 1.1   |       |       |       |       | 5.0        | 6.2          |
| WSW                      | 1.7                 | 1.7  | 1.8   | 1.1   | 1.1   | 1.1   |       |       |       |       |       | 3.2        | 6.1          |
| W                        | 1.7                 | 1.7  | 1.8   | 1.1   | 1.1   | 1.1   |       |       |       |       |       | 2.1        | 5.6          |
| WNW                      | 1.7                 | 1.7  | 1.7   | 1.1   | 1.1   | 1.1   | 1.1   |       |       |       |       | 2.9        | 9.5          |
| NNW                      | 1.1                 | 1.1  | 1.7   | 1.7   |       |       |       |       |       |       |       | 1.9        | 9.4          |
| ENE                      | 1.1                 | 1.7  | 1.8   | 1.7   | 1.7   |       |       |       |       |       |       | 1.7        | 9.8          |
| SSW                      | 1.7                 | 1.1  | 1.8   | 1.7   |       |       |       |       |       |       |       | 1.6        | 7.2          |
| VARIABLE                 |                     |      |       |       |       |       |       |       |       |       |       | 9.9        | ////         |
| TOTAL                    | 10.9                | 20.4 | 10.0  | 14.1  | 7.4   | 4.9   | 4.1   |       |       |       |       | 100.0      | 8.7          |

TOTAL NUMBER OF OBSERVATIONS: 240

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS |     |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|---------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              |
| N                      | .7                  | 1.2 | 1.2  | 1.7   | .1    | .1    |       |       |       |       | 5.0        | 9.3          |
| NNE                    | .2                  | .9  | 1.0  | 1.6   | .2    | .2    |       |       |       |       | 4.0        | 10.8         |
| N <sup>o</sup>         | 1.3                 | 1.1 | 2.3  | .7    | .1    |       |       |       |       |       | 5.6        | 7.2          |
| ENE                    | .7                  | 1.2 | .4   | .3    |       |       |       |       |       |       | 2.7        | 5.8          |
| E                      | 1.4                 | 1.3 | 1.4  | 1.2   |       |       |       |       |       |       | 5.4        | 6.9          |
| ESE                    | .4                  | 1.4 | 1.6  | .6    |       |       |       |       |       |       | 4.3        | 6.9          |
| S <sup>o</sup>         | 1.0                 | 2.2 | 2.0  | 1.6   | .1    | .1    |       |       |       |       | 7.0        | 7.9          |
| SE <sup>o</sup>        | 1.2                 | 2.6 | 4.3  | 3.2   | 1.3   | .1    |       |       |       |       | 16.8       | 10.6         |
| S                      | 3.4                 | 3.2 | 4.6  | 4.7   | 1.1   | .1    |       |       |       |       | 17.6       | 8.5          |
| SSW                    | 1.4                 | 2.1 | 1.2  | 1.2   | .2    |       |       |       |       |       | 6.2        | 5.8          |
| SW                     | .5                  | 1.2 | .7   | .4    |       |       |       |       |       |       | 2.7        | 5.9          |
| WSW                    | .1                  | 1.2 | .4   | .2    |       |       |       |       |       |       | 2.1        | 5.1          |
| W                      | .7                  | 1.2 | .4   |       |       |       |       |       |       |       | 2.3        | 5.1          |
| WNW                    | .                   | .4  | .7   |       |       |       |       |       |       |       | 1.3        | 6.7          |
| NW                     | .3                  | .7  | .1   | .1    |       |       |       |       |       |       | 1.4        | 4.5          |
| NNW                    | .4                  | .4  | .4   | .1    | .1    |       |       |       |       |       | 2.7        | 7.3          |

4414

11.6

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388</ |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|

TOTAL NUMBER OF CONTRIBUTIONS: 600

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .7                   | 1.4  | 2.7  | 3.1   | .5    | .1    |       |       |       |       | 8.5        | 10.1         |
| NNE                    | .2                   | .6   | 1.3  | 1.7   | .3    | .1    |       |       |       |       | 4.3        | 10.7         |
| NE                     | .5                   | .8   | 1.2  | .8    | .1    |       |       |       |       |       | 3.3        | 6.3          |
| ENE                    | .5                   | .8   | .7   | .3    | .0    |       |       |       |       |       | 2.4        | 6.7          |
| E                      | .7                   | 1.2  | 1.1  | .5    | .0    |       |       |       |       |       | 3.5        | 6.6          |
| ESE                    | .5                   | 1.2  | 1.2  | .4    | .1    |       |       |       |       |       | 3.3        | 7.1          |
| SE                     | .7                   | 1.4  | 1.6  | 1.3   | .1    | .0    |       |       |       |       | 5.1        | 8.4          |
| SSE                    | 1.0                  | 1.8  | 4.3  | 4.4   | .8    | .1    |       |       |       |       | 12.0       | 10.1         |
| S                      | 2.0                  | 3.2  | 5.7  | 6.8   | 1.6   | .2    |       |       |       |       | 19.5       | 10.1         |
| SSW                    | 1.5                  | 1.5  | 2.3  | 2.6   | .5    |       |       |       |       |       | 8.3        | 9.0          |
| SW                     | .8                   | 1.1  | 1.1  | 1.2   | .1    |       | .0    |       |       |       | 4.3        | 7.9          |
| WSW                    | .5                   | .8   | 1.0  | .7    | .0    | .0    | .0    |       |       |       | 3.1        | 8.1          |
| W                      | .6                   | 1.7  | 1.3  | .8    | .4    | .2    | .0    |       |       |       | 4.6        | 9.4          |
| WNW                    | .5                   | .8   | 1.0  | .9    | .2    | .0    |       |       |       |       | 3.3        | 8.8          |
| NW                     | .7                   | .9   | .8   | .6    | .2    | .0    |       |       |       |       | 2.8        | 8.4          |
| NNW                    | .5                   | .9   | 1.3  | 1.2   | .1    | .1    | .0    |       |       |       | 4.0        | 9.2          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CLM                    | //////////////////// |      |      |       |       |       |       |       |       |       | 7.6        | ////         |
| TOTALS                 | 11.3                 | 17.7 | 25.1 | 27.2  | 5.0   | .9    | .1    |       |       |       | 100.0      | 8.5          |

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.1                  | .9   | 1.4  | .8    | .2    |       |       |       |       |       | 4.1        | 7.5          |
| NNE                    | .4                   | .8   | 1.0  | .6    | .1    |       |       |       |       |       | 7.0        | 8.3          |
| NE                     | .4                   | .8   | 1.3  | .5    |       |       |       |       |       |       | 3.7        | 7.1          |
| ENE                    | .3                   | .4   |      | .1    |       |       |       |       |       |       | .9         | 6.1          |
| E                      | .9                   | 1.6  | .4   |       |       |       |       |       |       |       | 2.9        | 4.7          |
| ESE                    | .5                   | 1.0  | .5   | .6    | .1    |       |       |       |       |       | 2.8        | 7.3          |
| SE                     | 1.1                  | 1.2  | 2.8  | 1.4   |       |       |       |       |       |       | 6.5        | 7.8          |
| SSE                    | 1.7                  | 5.4  | 6.3  | 5.1   | .4    |       |       |       |       |       | 18.9       | 8.7          |
| S                      | 3.9                  | 5.2  | 6.8  | 7.3   | 1.9   | .1    |       |       |       |       | 25.2       | 9.2          |
| SSW                    | 1.6                  | 1.3  | 2.7  | 1.5   |       |       |       |       |       |       | 7.1        | 7.4          |
| SW                     | 1.7                  | .9   | 1.2  | .3    | .1    |       |       |       |       |       | 4.2        | 6.0          |
| WSW                    | 1.0                  | .5   | .4   |       |       |       |       |       |       |       | 1.9        | 4.6          |
| W                      | .6                   | .0   | .6   | .1    |       |       |       |       |       |       | 2.3        | 5.1          |
| WNW                    | .9                   | 1.2  | .1   |       |       |       |       |       |       |       | 2.2        | 4.0          |
| NW                     | .7                   | .6   | .2   |       |       |       |       |       |       |       | 1.5        | 4.4          |
| NNW                    | .2                   | .4   | .5   |       |       |       |       |       |       |       | 1.1        | 6.5          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 17.6       | ////         |
| TOTALS                 | 16.7                 | 22.9 | 26.3 | 19.5  | 2.9   | .1    |       |       |       |       | 100.0      | 6.8          |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .8                                   | 1.6  | 1.9  | .5    | .1    |       |       |       |       |       | 4.9        | 7.3          |
| NNE                    | .5                                   | 1.2  | .6   | .3    |       |       |       |       |       |       | 2.9        | 6.2          |
| NE                     | .2                                   | .2   | .4   | .2    |       |       |       |       |       |       | 1.3        | 7.7          |
| ENE                    | .4                                   | 1.2  |      | .3    |       |       |       |       |       |       | 2.0        | 5.8          |
| E                      | .4                                   | .4   | .4   | .1    |       |       |       |       |       |       | 2.2        | 5.1          |
| ESE                    | .4                                   | 1.0  | .4   | .2    |       |       |       |       |       |       | 2.5        | 7.4          |
| SE                     | .2                                   | 1.5  | 2.0  | .2    |       |       |       |       |       |       | 4.6        | 6.4          |
| SSE                    | 3.1                                  | 3.1  | 5.2  | 1.0   | .4    |       |       |       |       |       | 15.1       | 7.5          |
| S                      | 4.1                                  | 6.4  | 5.9  | 4.7   | 1.2   | .2    |       |       |       |       | 22.8       | 7.9          |
| SSW                    | 2.2                                  | 4.0  | 2.4  | 1.4   | .1    |       |       |       |       |       | 8.1        | 7.0          |
| SW                     | 1.5                                  | 1.3  | 1.6  | .5    |       |       |       |       |       |       | 4.9        | 6.0          |
| WSW                    | .2                                   | .4   | .2   |       |       |       |       |       |       |       | 1.3        | 4.4          |
| W                      | 1.2                                  | 1.4  | .1   | .1    |       |       | .1    |       |       |       | 3.0        | 4.9          |
| WNW                    | 1.4                                  | 1.0  | .2   | .1    |       |       |       |       |       |       | 2.7        | 4.0          |
| W                      | .2                                   | 1.8  | 1.0  |       |       |       |       |       |       |       | 3.4        | 5.2          |
| WNW                    | 1.4                                  | .2   | .6   | .1    |       |       |       |       |       |       | 3.0        | 5.0          |
| UNKN                   |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CRIM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 15.1       | ////         |
| TOTAL                  | 22.4                                 | 26.7 | 23.3 | 13.4  | 1.2   | .2    | .1    |       |       |       | 100.0      | 5.8          |

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY BRANCH  
 CSAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
 MONTH: MAY HOURS(IST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|---------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .5                  | 2.2  | 3.1  | 1.5   |       |       |       |       |       |       | 7.3        | 8.1          |
| NNE                    | .2                  | .4   | 1.1  | .4    |       |       |       |       |       |       | 2.3        | 7.4          |
| NE                     | .7                  | .6   | .1   | .1    | .1    |       |       |       |       |       | 1.3        | 6.2          |
| ENE                    | .6                  | .0   | .4   | .1    |       |       |       |       |       |       | 1.9        | 5.4          |
| E                      | .6                  | .3   | .5   | .3    |       |       |       |       |       |       | 1.8        | 6.4          |
| ESE                    | .8                  | 1.6  | .6   | .2    |       |       |       |       |       |       | 3.3        | 5.6          |
| SE                     | 1.0                 | 3.7  | 1.5  | .5    | .1    | .2    |       |       |       |       | 6.6        | 7.0          |
| SSE                    | 2.4                 | 2.6  | 4.4  | 1.4   | .3    |       |       |       |       |       | 11.6       | 7.4          |
| S                      | 2.2                 | 4.5  | 6.6  | 5.5   | 1.0   |       |       |       |       |       | 19.7       | 8.8          |
| SSW                    | 1.8                 | 1.8  | 4.0  | 2.0   | .1    |       |       |       |       |       | 9.8        | 7.6          |
| SW                     | 1.7                 | 1.1  | 1.2  | 1.4   |       |       |       |       |       |       | 5.2        | 8.3          |
| WSW                    | 1.7                 | .8   | .7   | .1    |       |       |       |       |       |       | 2.8        | 4.2          |
| W                      | 1.4                 | 1.7  | .7   |       |       |       |       |       |       |       | 3.3        | 3.8          |
| WNW                    | 1.0                 | 1.4  | .6   |       |       |       |       |       |       |       | 3.2        | 4.9          |
| W                      | .7                  | 1.4  | 1.3  |       |       |       |       |       |       |       | 3.4        | 5.5          |
| WNW                    | 1.7                 | 1.0  | 1.7  | .4    |       |       |       |       |       |       | 4.1        | 6.6          |
| UNAVAILABLE            |                     |      |      |       |       |       |       |       |       |       |            |              |
| TOTAL                  | 15.5                | 25.5 | 28.2 | 17.7  | 1.1   | .2    |       |       |       |       | 100.0      | 6.4          |

TOTAL NUMBER OF OBSERVATIONS: 450

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.2                  | 1.7  | 4.0  | 3.4   | .1    |       |       |       |       |       | 10.4       | 8.9          |
| NNE                    | .5                   | .5   | 1.8  | .6    |       |       |       |       |       |       | 3.5        | 8.1          |
| NE                     | .8                   | 1.1  | .5   | .5    |       |       |       |       |       |       | 2.9        | 6.4          |
| ENE                    | .3                   | .9   | .8   | .2    |       |       |       |       |       |       | 2.2        | 6.7          |
| E                      | .4                   | .4   | .9   | .2    |       |       |       |       |       |       | 1.9        | 6.6          |
| ESE                    | .2                   | 1.0  | 1.0  | .1    |       |       |       |       |       |       | 2.3        | 6.6          |
| SE                     | 1.0                  | 1.5  | 2.4  | .9    | .1    |       |       |       |       |       | 6.1        | 7.1          |
| SSE                    | .3                   | 1.7  | 5.3  | 3.1   | .5    |       |       |       |       |       | 11.0       | 9.8          |
| S                      | .9                   | 2.7  | 9.8  | 7.6   | .9    |       |       |       |       |       | 21.8       | 10.1         |
| SSW                    | .4                   | 1.5  | 4.2  | 3.4   | .4    | .1    |       |       |       |       | 10.4       | 10.1         |
| SW                     | .5                   | 1.1  | 2.7  | 2.3   | .1    |       |       |       |       |       | 7.1        | 9.6          |
| WSW                    | .8                   | 1.1  | 1.2  | .4    |       |       |       |       |       |       | 3.4        | 6.6          |
| W                      | .5                   | .6   | .5   | .5    |       |       |       |       |       |       | 2.3        | 7.1          |
| WNW                    | .5                   | .4   | .5   | .5    |       |       |       |       |       |       | 2.0        | 7.2          |
| W                      | .4                   | 1.5  | 2.0  | .7    |       |       |       |       |       |       | 4.3        | 7.1          |
| WNW                    | .7                   | 1.7  | 2.3  | .5    |       |       |       |       |       |       | 5.1        | 7.9          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CPM                    | //////////////////// |      |      |       |       |       |       |       |       |       | 3.2        | ////         |
| TOTALS                 | 9.0                  | 19.4 | 39.8 | 25.1  | 2.6   | .1    |       |       |       |       | 100.0      | 8.5          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .5                   | 2.4  | 4.1  | 1.9   | .2    | .1    |       |       |       |       | 9.2        | 8.7          |
| NNE                    | .5                   | 1.7  | 2.3  | .4    | .1    |       |       |       |       |       | 5.1        | 7.3          |
| NE                     | .5                   | 1.2  | 2.3  | .4    |       |       |       |       |       |       | 4.4        | 7.2          |
| ENE                    | .6                   | 1.0  | .9   | .2    |       |       |       |       |       |       | 2.8        | 6.1          |
| E                      | .6                   | 1.0  | 1.0  | .3    |       |       |       |       |       |       | 2.9        | 6.3          |
| ESE                    |                      | .0   | .3   | .1    |       |       |       |       |       |       | .6         | 7.7          |
| SE                     | 1.0                  | 1.0  | 3.0  | 1.5   |       |       |       |       |       |       | 6.5        | 8.1          |
| SSE                    | .2                   | 3.2  | 5.8  | 3.6   | .1    |       |       |       |       |       | 13.1       | 9.1          |
| S                      | 1.0                  | 3.4  | 10.6 | 6.6   | .5    |       |       |       |       |       | 24.3       | 9.6          |
| SSW                    | .9                   | 1.2  | 4.3  | 1.4   | .1    |       |       |       |       |       | 7.8        | 8.6          |
| SW                     | .3                   | 1.0  | 2.4  | 1.6   | .3    |       |       |       |       |       | 6.0        | 9.7          |
| WSW                    | .4                   | .6   | .9   | .4    | .1    |       |       |       |       |       | 2.9        | 8.3          |
| W                      | .1                   | .8   | .9   | .4    | .1    |       |       |       |       |       | 2.3        | 8.0          |
| WNW                    | .5                   | .9   | 1.4  | .2    |       |       |       |       |       |       | 3.0        | 7.2          |
| NW                     | .3                   | .8   | .5   | .1    |       |       |       |       |       |       | 1.7        | 5.7          |
| NNW                    | .2                   | 1.6  | 1.8  | 1.3   | .1    |       |       |       |       |       | 5.1        | 8.4          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 2.3        | ////         |
| TOTALS                 | 8.0                  | 22.0 | 42.5 | 23.4  | 1.7   | .1    |       |       |       |       | 100.0      | 8.4          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .9                                   | 1.6  | 2.9  | 2.0   |       |       |       |       |       |       | 7.4        | 8.3          |
| NNE                    | 1.1                                  | 1.3  | 2.0  | .9    | .8    | .1    |       |       |       |       | 6.1        | 9.1          |
| NE                     | .4                                   | 1.9  | 2.2  | .3    | .1    |       |       |       |       |       | 4.9        | 7.3          |
| ENE                    | .8                                   | .4   | 1.1  | .2    | .2    |       |       |       |       |       | 2.7        | 7.2          |
| E                      | .3                                   | .4   | 1.6  | .4    |       |       |       |       |       |       | 2.8        | 7.8          |
| ESE                    | .9                                   | 1.0  | 1.4  | .5    |       |       |       |       |       |       | 3.8        | 6.9          |
| SE                     | .8                                   | 1.8  | 4.1  | 2.8   | .8    |       |       |       |       |       | 10.2       | 9.6          |
| SSE                    | .5                                   | 2.7  | 6.3  | 7.5   | .2    |       |       |       |       |       | 16.9       | 10.3         |
| S                      | 1.1                                  | 2.4  | 6.1  | 7.3   | .3    |       |       |       |       |       | 17.2       | 10.0         |
| SSW                    | .2                                   | 1.2  | 3.5  | 1.6   | .1    |       |       |       |       |       | 6.7        | 9.2          |
| SW                     | .3                                   | 1.0  | 1.6  | 1.2   | .2    |       |       |       |       |       | 4.5        | 9.5          |
| WSW                    | .1                                   | 1.0  | 1.3  | .6    | .1    |       |       |       |       |       | 3.1        | 8.4          |
| W                      | .5                                   | .5   | 1.3  | .6    |       |       |       |       |       |       | 3.0        | 7.7          |
| WW                     | .1                                   | .4   | 1.0  | .3    |       |       |       |       |       |       | 1.8        | 8.2          |
| NW                     | .7                                   | 1.3  | 1.3  | .2    |       |       |       |       |       |       | 3.1        | 6.8          |
| NNW                    | .2                                   | .9   | 1.8  | .4    | .1    |       |       |       |       |       | 3.5        | 7.9          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 2.2        | ////         |
| TOTALS                 | 8.6                                  | 19.4 | 39.6 | 27.1  | 2.4   | .1    |       |       |       |       | 100.0      | 8.8          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.1                  | 2.4  | 2.5  | .9    | .7    | .1    |       |       |       |       | 7.1        | 7.7          |
| NNE                    | 1.3                  | 1.2  | 1.6  | 1.2   | .2    |       |       |       |       |       | 5.7        | 7.5          |
| NE                     | 1.3                  | 1.5  | 2.7  | .8    |       |       |       |       |       |       | 6.2        | 6.7          |
| ENE                    | 1.1                  | 2.6  | 1.0  | .4    |       |       |       |       |       |       | 5.1        | 5.8          |
| E                      | 1.2                  | 2.4  | 2.5  | .6    |       |       |       |       |       |       | 6.7        | 6.6          |
| ESE                    | .4                   | 1.2  | 1.3  | .9    |       |       |       |       |       |       | 3.8        | 7.6          |
| SE                     | .5                   | 2.5  | 6.0  | 4.6   | .5    | .2    |       |       |       |       | 14.6       | 10.1         |
| SSE                    | .9                   | 3.0  | 6.0  | 7.3   | 1.3   | .2    |       |       |       |       | 19.7       | 10.4         |
| S                      | 2.1                  | 2.7  | 4.4  | 4.3   | .7    | .1    |       |       |       |       | 14.2       | 8.6          |
| SSW                    | .9                   | 1.4  | 1.0  | .6    | .1    |       |       |       |       |       | 4.0        | 7.0          |
| SW                     | .6                   | 1.7  | .9   | .2    | .1    |       |       |       |       |       | 2.8        | 6.6          |
| WSW                    | .2                   | .4   | .5   | .2    |       |       |       |       |       |       | 1.4        | 7.2          |
| W                      | .2                   | .4   |      |       |       |       |       |       |       |       | .6         | 3.5          |
| WNW                    | .2                   | .5   | .4   |       |       |       |       |       |       |       | 1.2        | 5.7          |
| NW                     | .2                   | .2   | .6   | .3    |       |       |       |       |       |       | 2.0        | 7.0          |
| NNW                    | .4                   | .6   | .2   | .2    |       |       |       |       |       |       | 1.5        | 6.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 4.4        | ////         |
| TOTALS                 | 12.7                 | 24.2 | 31.8 | 22.6  | 3.0   | .6    |       |       |       |       | 100.0      | 7.9          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | .6                   | .4   | .6   | 1.1   | .2    |       |       | 3.0        | 9.2          |
| NNE                    | .9                   | 1.7  | 1.3  | 1.2   |       | .2    |       | 4.7        | 8.6          |
| NE                     | .2                   | 1.6  | 1.5  | .4    |       |       |       | 3.8        | 7.2          |
| ENE                    | .9                   | .6   | .3   |       |       |       |       | 1.8        | 4.5          |
| E                      | 2.0                  | 1.8  | .9   | .2    |       |       |       | 4.9        | 4.5          |
| ESE                    | 1.0                  | 1.6  | 1.6  | .6    |       |       |       | 4.8        | 6.5          |
| SE                     | 1.5                  | 2.0  | 4.1  | 2.5   | .4    |       |       | 11.3       | 8.3          |
| SSE                    | 2.4                  | 4.4  | 6.1  | 8.5   | .6    |       |       | 22.0       | 9.5          |
| S                      | 2.8                  | 4.4  | 5.4  | 4.7   | 1.0   |       |       | 18.3       | 9.5          |
| SSW                    | 1.4                  | .9   | .8   | .9    | .1    |       |       | 4.0        | 7.0          |
| SW                     | .5                   | .4   | .3   |       |       |       |       | 1.3        | 5.5          |
| WSW                    | .2                   | .1   | .1   |       |       |       |       | .4         | 3.8          |
| W                      | .5                   | 1.7  | .1   | .1    |       |       |       | 1.9        | 4.5          |
| WNW                    | .9                   | .2   | .7   | .4    |       |       |       | 1.8        | 6.5          |
| NW                     | .1                   | .2   |      |       |       |       |       | .3         | 4.3          |
| NNW                    | .4                   | .9   | .1   | .2    |       |       |       | 1.6        | 5.2          |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 13.9       | ////         |
| TOTALS                 | 16.2                 | 22.9 | 23.5 | 20.9  | 2.4   | .2    |       | 100.0      | 6.8          |

TOTAL NUMBER OF OBSERVATIONS: 937

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .4                   | 1.6  | 2.6  | 1.5   | .1    | .0    |       |       |       |       | 6.7        | 8.3          |
| NNE                    | .7                   | 1.0  | 1.5  | .7    | .1    | .0    |       |       |       |       | 4.2        | 7.9          |
| NE                     | .5                   | 1.1  | 1.4  | .4    | .0    |       |       |       |       |       | 3.5        | 7.0          |
| NNE                    | .6                   | 1.0  | .6   | .2    | .0    |       |       |       |       |       | 2.4        | 5.9          |
| E                      | .9                   | 1.1  | 1.0  | .7    |       |       |       |       |       |       | 3.3        | 5.9          |
| ESE                    | .5                   | 1.1  | .9   | .5    | .0    |       |       |       |       |       | 3.0        | 6.8          |
| SE                     | 1.0                  | 2.0  | 3.2  | 1.5   | .7    | .1    |       |       |       |       | 8.3        | 8.4          |
| SSE                    | 1.4                  | 2.7  | 5.7  | 5.0   | .5    | .0    |       |       |       |       | 15.9       | 9.1          |
| S                      | 2.2                  | 4.7  | 7.0  | 5.0   | .0    | .1    |       |       |       |       | 20.4       | 9.1          |
| SSW                    | 1.2                  | 1.4  | 2.9  | 1.7   | .1    | .0    |       |       |       |       | 7.2        | 8.2          |
| SW                     | .5                   | 1.0  | 1.5  | 1.0   | .0    |       |       |       |       |       | 4.5        | 8.1          |
| WSW                    | .5                   | .8   | .8   | .7    | .0    |       |       |       |       |       | 2.2        | 6.4          |
| W                      | .7                   | .0   | .4   | .0    | .0    |       | .0    |       |       |       | 2.3        | 5.8          |
| WNW                    | .7                   | .5   | .6   | .2    |       |       |       |       |       |       | 2.2        | 5.9          |
| W                      | .4                   | 1.1  | .9   | .4    |       |       |       |       |       |       | 2.5        | 6.1          |
| NNW                    | .5                   | 1.0  | 1.1  | .4    | .0    |       |       |       |       |       | 3.1        | 7.1          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CELM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 8.3        | ////         |
| TOTALS                 | 13.8                 | 27.0 | 31.9 | 20.7  | 2.2   | .2    | .0    |       |       |       | 100.0      | 7.4          |

TOTAL NUMBER OF OBSERVATIONS: 7440



WALL LIMBOLGY BRANCH  
 DATA  
 SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 79-87  
 MONTH: JUN HOURS: 0000-2400

| WIND SPEED IN KNOTS |     |      |       |       |       |       |       |       |       |       |  | TOTAL<br>% | MEAN<br>WIND |
|---------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|--|------------|--------------|
| 1-3                 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |  |            |              |
| .4                  | .8  | 1.1  | .3    |       |       |       |       |       |       |       |  | 2.7        | 7.1          |
| .4                  | 1.0 | .8   | .4    |       |       |       |       |       |       |       |  | 3.0        | 7.1          |
| .4                  | .4  | .7   | .1    |       |       |       |       |       |       |       |  | 1.7        | 6.2          |
| .2                  | .4  |      | .1    |       |       |       |       |       |       |       |  | 1.1        | 4.3          |
| .2                  | .2  | .6   |       |       |       |       |       |       |       |       |  | 1.3        | 4.9          |
| 1.4                 | 1.7 | .1   | .7    |       |       |       |       |       |       |       |  | 2.9        | 4.5          |
| 1.4                 | 1.1 | .4   | .6    |       |       |       |       |       |       |       |  | 4.8        | 5.8          |
| 2.4                 | 1.6 | 2.0  | 3.3   | .1    |       |       |       |       |       |       |  | 21.6       | 7.0          |
| 2.7                 | 1.4 | 2.2  | 5.1   | .7    |       |       |       |       |       |       |  | 32.2       | 6.4          |
| 1.4                 | 1.4 | 2.6  | 1.6   |       |       |       |       |       |       |       |  | 7.7        | 7.4          |
| .4                  | .7  | .6   | .1    |       |       |       |       |       |       |       |  | 3.1        | 6.8          |
|                     | .1  |      | .1    |       |       |       |       |       |       |       |  | .9         | 7.4          |
|                     |     | .2   | .1    |       |       |       |       |       |       |       |  | .8         | 6.6          |
|                     |     | .1   |       |       |       |       |       |       |       |       |  | .4         | 4.8          |
|                     |     | .1   | .1    | .1    |       |       |       |       |       |       |  | .4         | 10.5         |
|                     | .2  | .1   | .2    |       |       |       |       |       |       |       |  | .9         | 5.6          |

14.6  
 100.0 6.1

GLOBAL CLIMATOLOGY BRANCH  
 CSAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM MOONLY OBSERVATIONS

STATION NUMBER: 722605 STATION NAME: OVEST AFF TX

PERIOD OF RECORD: 1967  
 MONTH: JUN HOURS/DAY: 0100-0100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-5                  | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 |            |              |
| N                      | .1                   | 1.1  | 1.7   | .7    |       |       |       |       |       |       |       | 3.6        | 4.6          |
| NNE                    | .1                   | .1   | .5    | .5    |       |       |       |       |       |       |       | 1.2        | 1.5          |
| NE                     | .4                   | .5   | .7    |       | .1    |       |       |       |       |       |       | 1.7        | 1.7          |
| ENE                    | .7                   | .1   | .7    |       |       |       |       |       |       |       |       | 1.5        | 1.7          |
| E                      | .5                   | 1.2  | .1    |       |       |       |       |       |       |       |       | 1.7        | 1.4          |
| ESE                    | .7                   | .5   | .2    |       |       |       |       |       |       |       |       | 1.4        | 1.1          |
| SE                     | 1.1                  | .5   | 1.4   |       | .1    |       |       |       |       |       |       | 3.6        | 1.0          |
| SSE                    | 3.2                  | 4.6  | 2.5   | 1.1   | .1    |       |       |       |       |       |       | 12.5       | 1.7          |
| S                      | 5.1                  | 10.4 | 11.2  | 7.0   | .5    | .1    |       |       |       |       |       | 35.8       | 1.7          |
| SSW                    | 2.1                  | 3.7  | 2.0   | 1.7   |       |       |       |       |       |       |       | 9.5        | 1.2          |
| SW                     | 1.2                  | 1.0  | .7    |       |       |       |       |       |       |       |       | 2.9        | 1.7          |
| WSW                    | .1                   | .2   | .1    |       |       |       |       |       |       |       |       | .7         | 1.4          |
| W                      | .7                   | .7   | .2    |       |       |       |       |       |       |       |       | 1.6        | 1.7          |
| WNW                    | .2                   | .4   |       | .1    | .1    |       |       |       |       |       |       | .9         | 1.4          |
| NW                     | .1                   | .3   | .1    |       |       |       |       |       |       |       |       | .8         | 1.0          |
| NNW                    | .2                   | .2   | .2    |       |       |       |       |       |       |       |       | .7         | 1.5          |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 19.8       | ////         |
| TOTALS                 | 19.9                 | 26.0 | 23.7  | 10.2  | 1.3   | .1    |       |       |       |       |       | 100.0      | 5.3          |

TOTAL NUMBER OF OBSERVATIONS: 900

U.S. AIR FORCE WIND DATA REPORT  
 TITLE: SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 1000 STATION NAME: FORT MONROE

PERIOD OF RECORD: 79-87  
 MONTH: JUN HOURS: 0600-0800

| WIND SPEED IN KNOTS |                                      |       |       |       |       |       |       |       |       |       |       |            |              |
|---------------------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| 0-5                 | 6-10                                 | 11-15 | 16-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | GE 56 | TOTAL<br>Σ | MEAN<br>WIND |
| 0                   | 1.0                                  | 1.7   | 1.1   | 0.7   |       |       |       |       |       |       |       | 3.7        | 7.0          |
| 100                 | 1.0                                  | 1.7   | 1.1   | 0.7   |       |       |       |       |       |       |       | 2.7        | 7.8          |
| 00                  |                                      | 1.0   | 1.7   |       |       |       |       |       |       |       |       | 1.9        | 6.5          |
| 100                 | 1.0                                  | 1.0   | 1.7   |       |       |       |       |       |       |       |       | 1.8        | 4.4          |
| 0                   | 1.0                                  | 1.0   | 1.7   | 0.7   |       |       |       |       |       |       |       | 2.7        | 4.8          |
| 100                 | 1.0                                  | 1.3   | 1.7   | 0.7   |       |       |       |       |       |       |       | 3.1        | 4.5          |
| 00                  | 1.0                                  | 1.3   | 1.7   | 0.7   |       |       |       |       |       |       |       | 4.2        | 5.9          |
| 100                 | 1.1                                  | 1.7   | 3.8   | 0.7   |       |       |       |       |       |       |       | 11.3       | 6.0          |
| 0                   | 4.7                                  | 1.7   | 12.9  | 1.7   | 0.7   |       |       |       |       |       |       | 33.3       | 4.4          |
| 100                 | 1.1                                  | 1.0   | 5.2   | 1.1   | 0.7   |       |       |       |       |       |       | 11.8       | 7.3          |
| 00                  | 1.0                                  | 1.0   | 2.2   | 0.7   |       |       |       |       |       |       |       | 4.3        | 6.8          |
| 100                 | 1.1                                  | 1.7   | 1.7   |       |       |       |       |       |       |       |       | 1.3        | 5.8          |
| 0                   | 1.1                                  | 1.1   | 1.2   | 1.1   |       |       |       |       |       |       |       | 1.6        | 4.1          |
| 100                 | 1.0                                  | 1.7   | 0.4   |       |       |       |       |       |       |       |       | 1.1        | 5.8          |
| 00                  | 1.4                                  | 1.1   | 1.2   | 1.1   |       |       |       |       |       |       |       | 1.9        | 4.8          |
| 100                 | 1.7                                  | 1.4   | 1.2   |       | 1.1   |       |       |       |       |       |       | 1.4        | 5.2          |
| -----               |                                      |       |       |       |       |       |       |       |       |       |       |            |              |
| VARIABLE            |                                      |       |       |       |       |       |       |       |       |       |       | TOTALS     | MEAN         |
| CALM                | //////////////////////////////////// |       |       |       |       |       |       |       |       |       |       |            |              |
| TOTALS              | 18.6                                 | 23.1  | 30.2  | 17.3  | 1.2   |       |       |       |       |       |       | 100.0      | 6.0          |

TOTAL NUMBER OF OBSERVATIONS: 900

JOINT CLIMATOLOGY BRANCH  
USAFETAL  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 0900-1100

| DIRECTION<br>OF GUST | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|----------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                      | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                    | 1.1                                  | 1.3  | 1.2  | .8    |       |       |       |       |       |       | 4.4        | 7.0          |
| NNE                  | .4                                   | 1.3  | .9   | .6    |       |       |       |       |       |       | 3.2        | 6.9          |
| NW                   | .1                                   | .6   | 1.2  | .1    | .1    |       |       |       |       |       | 2.1        | 7.8          |
| ENE                  | .9                                   | 1.2  | .9   | .2    |       |       |       |       |       |       | 3.1        | 5.6          |
| E                    | .9                                   | 1.2  | 1.0  | .1    |       |       |       |       |       |       | 3.2        | 5.4          |
| ESE                  | 1.3                                  | .6   | .7   |       |       |       |       |       |       |       | 2.6        | 4.7          |
| SE                   | .8                                   | 1.0  | .9   | .1    |       |       |       |       |       |       | 2.8        | 5.8          |
| SSE                  | 1.1                                  | 3.3  | 3.4  | 2.1   |       |       |       |       |       |       | 10.0       | 7.6          |
| S                    | 1.2                                  | 4.2  | 13.6 | 17.6  | .4    | .1    |       |       |       |       | 32.1       | 9.9          |
| SSW                  | .8                                   | 2.0  | 7.3  | 6.0   | .7    |       |       |       |       |       | 16.8       | 10.2         |
| SW                   | .6                                   | 1.1  | 3.3  | 2.4   |       |       |       |       |       |       | 7.4        | 8.9          |
| WSW                  | .6                                   | .9   | 1.1  |       |       |       |       |       |       |       | 2.6        | 5.8          |
| W                    | .8                                   | .4   | .6   |       |       |       |       |       |       |       | 1.8        | 4.3          |
| WNW                  | .4                                   | .2   | .1   |       |       |       |       |       |       |       | .8         | 4.0          |
| NW                   | .2                                   | .7   | .4   |       |       |       |       |       |       |       | 1.3        | 5.1          |
| NNW                  | .2                                   | .4   | .4   | .1    |       |       |       |       |       |       | 1.2        | 5.8          |
| VARIABLE             |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                 | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 4.6        | ////         |
| TOTALS               | 11.3                                 | 20.6 | 37.1 | 28.1  | 1.2   | .1    |       |       |       |       | 100.0      | 8.0          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .4                                   | 1.6  | 1.4  | .3    |       |       |       |       |       |       | 3.8        | 6.6          |
| NNE                    | .8                                   | 1.6  | 1.1  | .6    |       |       |       |       |       |       | 4.0        | 6.7          |
| NE                     | 1.1                                  | 1.4  | 1.2  | .9    | .2    |       |       |       |       |       | 4.9        | 7.2          |
| ENE                    | .6                                   | 1.0  | 1.2  | .3    |       |       |       |       |       |       | 3.1        | 6.6          |
| E                      | 1.6                                  | 1.6  | .7   | .2    |       |       |       |       |       |       | 4.0        | 4.9          |
| ESE                    | .6                                   | 1.6  | 2.2  |       | .1    |       |       |       |       |       | 4.4        | 6.5          |
| SE                     | 1.0                                  | 1.6  | 2.2  | .4    |       |       |       |       |       |       | 5.2        | 6.6          |
| SSE                    | .9                                   | 2.0  | 5.4  | 4.2   | .1    |       |       |       |       |       | 13.4       | 9.1          |
| S                      | .9                                   | 4.6  | 13.7 | 12.2  | .2    |       |       |       |       |       | 31.6       | 9.7          |
| SSW                    | .2                                   | 1.4  | 5.1  | 5.1   | .4    |       |       |       |       |       | 12.3       | 10.4         |
| SW                     | .5                                   | .3   | 2.2  | 1.3   | .1    |       |       |       |       |       | 4.8        | 8.4          |
| WSW                    | .3                                   | .3   | .3   | .1    |       |       |       |       |       |       | 1.1        | 5.9          |
| W                      | .2                                   | .2   | .1   |       |       |       |       |       |       |       | .6         | 4.0          |
| WNW                    | .2                                   | .2   | .4   |       |       |       |       |       |       |       | .9         | 5.4          |
| NW                     | .4                                   | .1   | .3   |       |       |       |       |       |       |       | .9         | 5.3          |
| NNW                    | .5                                   | 1.0  | .4   |       |       |       |       |       |       |       | 2.3        | 4.4          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 2.7        | ////         |
| TOTALS                 | 10.9                                 | 21.2 | 36.2 | 25.9  | 1.2   |       |       |       |       |       | 100.0      | 8.2          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 74-87  
MONTH: JUN HOURS/15TH: 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .8                   | 1.0  | 1.7  | .6    |       |       |       |       |       |       |       | 4.0        | 7.1          |
| NNE                    | .1                   | .5   | 2.6  | .8    |       |       |       |       |       |       |       | 4.0        | 8.8          |
| NE                     | .4                   | 1.1  | 1.6  | .6    |       |       | .1    |       |       |       |       | 3.8        | 8.0          |
| ENE                    | .4                   | 1.7  | .7   | .4    |       |       |       |       |       |       |       | 2.9        | 6.5          |
| E                      | .4                   | 1.6  | 1.3  | .6    |       |       |       |       |       |       |       | 3.9        | 6.6          |
| ESE                    | .7                   | 1.7  | 2.9  | .4    |       |       |       |       |       |       |       | 5.7        | 7.1          |
| SE                     | .8                   | 2.7  | 4.6  | 2.0   |       |       |       |       |       |       |       | 10.0       | 8.1          |
| SSE                    | .6                   | 2.4  | 7.4  | 6.0   | .4    |       |       |       |       |       |       | 17.4       | 9.9          |
| S                      | .9                   | 3.4  | 12.9 | 13.2  | .6    |       |       |       |       |       |       | 31.0       | 10.2         |
| SSW                    | .4                   | 1.1  | 3.4  | 2.4   | .1    |       |       |       |       |       |       | 7.7        | 9.4          |
| SW                     | .2                   | .9   | 1.1  | .9    |       |       |       |       |       |       |       | 3.1        | 8.4          |
| WSW                    |                      | .2   | .3   | .1    |       |       |       |       |       |       |       | .7         | 7.7          |
| W                      | .1                   |      | .2   |       |       |       |       |       |       |       |       | .6         | 4.4          |
| WNW                    | .4                   | .1   | .1   | .1    |       |       |       |       |       |       |       | .8         | 4.6          |
| NW                     |                      | .2   | .1   |       |       |       |       |       |       |       |       | .3         | 5.7          |
| NNW                    | .7                   | .7   |      | .1    |       |       | .1    |       |       |       |       | 1.6        | 6.4          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALP                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 2.2        | ////         |
| TOTALS                 | 7.2                  | 19.2 | 41.1 | 25.9  | 1.1   |       | .2    |       |       |       |       | 100.0      | 8.7          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATELOGY BRANCH  
 CSAFFAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 702665 STATION NAME: OVEST AFB TX

PERIOD OF RECORD: 78-87  
 MONTH: JUN HOURS(LEST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND<br>KIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------|
|                        | 1-7                  | 8-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-63 | 64-70 |            |                      |
| N                      | 1.7                  | 1.7  | 1.7   | 1.7   |       |       |       |       |       |       |       | 3.1        | 6.6                  |
| NNE                    | 1.7                  | 1.7  | 1.7   | 1.7   |       |       |       |       |       |       |       | 3.7        | 7.7                  |
| NE                     | 1.7                  | 1.7  | 1.7   | 1.7   |       |       |       |       |       |       |       | 3.7        | 6.6                  |
| ENE                    | 1.7                  | 1.7  | 1.7   | 1.7   |       |       |       |       |       |       |       | 3.2        | 6.6                  |
| E                      | 1.7                  | 3.4  | 1.7   | 1.7   | 1.7   |       |       |       |       |       |       | 6.7        | 5.4                  |
| ESE                    | 1.7                  | 2.4  | 2.4   | 1.7   |       |       |       |       |       |       |       | 7.1        | 6.6                  |
| SE                     | 1.7                  | 2.4  | 4.2   | 3.4   | 1.7   |       |       |       |       |       |       | 15.0       | 8.7                  |
| SSE                    | 1.7                  | 4.2  | 4.2   | 4.2   |       |       |       |       |       |       |       | 19.1       | 8.5                  |
| S                      | 2.7                  | 4.2  | 12.6  | 7.4   | 1.7   |       |       |       |       |       |       | 27.7       | 8.8                  |
| SSW                    | 1.7                  | 1.7  | 1.7   | 1.7   |       |       |       |       |       |       |       | 4.4        | 7.9                  |
| SW                     | 1.7                  | 1.7  | 1.7   | 1.7   |       |       |       |       |       |       |       | 1.0        | 7.1                  |
| WSW                    | 1.7                  | 1.7  | 1.7   |       | 1.7   |       |       |       |       |       |       | 1.7        | 6.7                  |
| W                      |                      | 1.7  |       |       |       |       |       |       |       |       |       | 1.7        | 6.0                  |
| WNW                    | 1.7                  |      | 1.7   |       |       |       |       |       |       |       |       | 1.4        | 3.3                  |
| WW                     | 1.7                  | 1.7  |       | 1.7   |       |       |       |       |       |       |       | 1.4        | 7.0                  |
| NNW                    | 1.7                  | 1.7  | 1.7   | 1.7   |       |       |       |       |       |       |       | 1.0        | 7.0                  |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |       |            |                      |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |       | 3.0        | ////                 |
| TOTALS                 | 10.0                 | 24.2 | 41.7  | 14.6  | 1.6   |       |       |       |       |       |       | 100.0      | 7.7                  |

TOTAL NUMBER OF OBSERVATIONS: 900

GLDMM CLIMATOLOGY BRANCH  
USAF/AFAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DRESS AIR TN

PERIOD OF RECORD: 79-87  
MONTH: JUN HOURS: 1500-2100

| DIRECTION<br>(00-159) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|-----------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                       | 0-5                  | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-40 | 41-50 | 51-60 | 61-80 |            |              |
| N                     | .1                   | .5   | .8    | .1    |       |       |       |       |       |       | 2.1        | 6.1          |
| NNE                   | .4                   | .4   | .4    | .4    |       |       |       |       |       |       | 2.2        | 6.9          |
| NE                    | .4                   | .4   | .4    | .4    |       |       |       |       |       |       | 1.9        | 5.6          |
| ENE                   | .1                   | .7   | .1    | .1    | .1    |       |       |       |       |       | 2.2        | 6.5          |
| E                     | 1.5                  | .7   | 1.1   |       |       |       |       |       |       |       | 4.7        | 9.6          |
| ESE                   | 1.4                  | 1.4  | .9    | .1    |       |       |       |       |       |       | 4.1        | 5.4          |
| SE                    | 1.7                  | 5.7  | 4.4   | 1.2   |       |       |       |       |       |       | 12.8       | 7.0          |
| SSE                   | 1.1                  | 4.1  | 3.3   | 4.4   | .1    |       |       |       |       |       | 25.1       | 7.4          |
| S                     | 4.7                  | 7.7  | 7.7   | 7.7   | .7    |       |       |       |       |       | 25.4       | 7.5          |
| SSW                   | 2.4                  | 1.4  | 1.2   | .1    |       |       |       |       |       |       | 4.3        | 4.9          |
| SW                    | .2                   | .4   |       | .1    |       |       |       |       |       |       | .9         | 5.1          |
| WSW                   |                      | .1   |       |       | .1    |       |       |       |       |       | .2         | 16.5         |
| W                     | .1                   |      |       | .1    | .1    | .1    |       |       |       |       | .4         | 17.0         |
| WNW                   | .1                   | .1   | .1    | .1    |       |       |       |       |       |       | .4         | 8.5          |
| NW                    | .1                   | .7   | .2    | .1    |       |       |       |       |       |       | .9         | 5.5          |
| NNW                   | .1                   | .1   |       | .1    |       |       |       |       |       |       | .8         | 5.1          |
| VARIABLE              |                      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                  | //////////////////// |      |       |       |       |       |       |       |       |       | 11.3       | ////         |
| TOTALS                | 16.9                 | 29.7 | 28.0  | 11.3  | .6    | .1    | .1    |       |       |       | 100.0      | 6.1          |

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAF/AFM  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYES: AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 0.7                  | 1.1  | 1.3  | 0.4   |       |       |       |       |       |       |       | 3.4        | 6.8          |
| NNE                    | 0.4                  | 1.0  | 1.1  | 0.6   |       |       |       |       |       |       |       | 3.1        | 7.4          |
| NE                     | 0.4                  | 0.4  | 0.9  | 0.3   | 0.1   |       | 0.0   |       |       |       |       | 2.5        | 7.0          |
| NNE                    | 0.5                  | 0.8  | 0.8  | 0.2   | 0.3   |       |       |       |       |       |       | 2.3        | 5.9          |
| E                      | 1.1                  | 1.1  | 0.8  | 0.2   | 0.0   |       |       |       |       |       |       | 3.6        | 5.2          |
| ESE                    | 1.1                  | 1.0  | 1.0  | 0.1   | 0.0   |       |       |       |       |       |       | 3.9        | 5.8          |
| SE                     | 0.4                  | 2.3  | 3.1  | 1.0   | 0.0   |       |       |       |       |       |       | 7.3        | 7.3          |
| SSE                    | 2.1                  | 4.0  | 6.0  | 3.4   | 0.1   |       |       |       |       |       |       | 16.4       | 7.8          |
| S                      | 3.0                  | 6.0  | 11.7 | 0.4   | 0.0   | 0.0   |       |       |       |       |       | 31.1       | 8.5          |
| SSE                    | 1.2                  | 1.8  | 3.6  | 2.4   | 0.0   |       |       |       |       |       |       | 9.2        | 8.5          |
| SW                     | 0.0                  | 0.4  | 1.0  | 0.7   | 0.0   |       |       |       |       |       |       | 3.4        | 7.4          |
| WSW                    | 0.0                  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   |       |       |       |       |       | 1.0        | 5.9          |
| W                      | 0.4                  | 0.0  | 0.0  | 0.0   | 0.0   |       | 0.0   |       |       |       |       | 0.9        | 5.3          |
| WNW                    | 0.0                  | 0.0  | 0.0  | 0.0   | 0.0   |       |       |       |       |       |       | 0.7        | 5.5          |
| SW                     | 0.0                  | 0.0  | 0.0  | 0.1   | 0.0   |       |       |       |       |       |       | 0.7        | 5.6          |
| WSW                    | 0.0                  | 0.4  | 0.0  | 0.1   | 0.0   |       | 0.0   |       |       |       |       | 1.2        | 5.5          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 9.1        | ////         |
| TOTALS                 | 17.5                 | 23.8 | 33.1 | 14.0  | 1.0   | 0.0   | 0.0   |       |       |       |       | 100.0      | 7.0          |

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .3                                   | .4   |      | .1    |       |       |       |       |       |       |       | .8         | 4.4          |
| NNE                    | .2                                   | .1   |      | .1    |       |       |       |       |       |       |       | .4         | 4.8          |
| NE                     | .5                                   | .2   | .1   |       |       |       |       |       |       |       |       | .9         | 3.3          |
| NNE                    | .9                                   | .1   | .2   |       |       |       |       |       |       |       |       | 1.1        | 3.7          |
| E                      | 1.3                                  | 1.0  |      |       |       |       |       |       |       |       |       | 2.3        | 3.4          |
| ESE                    | .6                                   | .6   | .3   | .1    |       |       |       |       |       |       |       | 1.7        | 5.1          |
| SE                     | 1.0                                  | 2.2  | 1.1  | .3    |       |       |       |       |       |       |       | 4.5        | 5.6          |
| ESE                    | 3.4                                  | 7.7  | 7.2  | 1.0   | .1    |       |       |       |       |       |       | 19.6       | 6.3          |
| S                      | 7.8                                  | 17.7 | 17.4 | 7.4   | .6    |       |       |       |       |       |       | 47.0       | 6.6          |
| SSW                    | 2.7                                  | 2.0  | 1.2  | .1    |       |       |       |       |       |       |       | 6.0        | 4.4          |
| SW                     | .1                                   | .2   |      |       |       |       |       |       |       |       |       | .4         | 4.1          |
| WSW                    | .3                                   | .1   | .3   |       |       |       |       |       |       |       |       | .8         | 5.1          |
| W                      | .1                                   | .1   |      | .1    |       |       |       |       |       |       |       | .9         | 5.9          |
| WNW                    | .1                                   | .2   |      |       |       |       |       |       |       |       |       | .3         | 3.0          |
| NW                     | .1                                   | .1   |      |       |       |       |       |       |       |       |       | .2         | 3.5          |
| NNW                    | .1                                   | .1   |      |       |       |       |       |       |       |       |       | .2         | 2.5          |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |       | 12.9       | ////         |
| TOTALS                 | 13.8                                 | 32.9 | 28.0 | 5.7   | .8    |       |       |       |       |       |       | 100.0      | 5.1          |

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(EST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.1                                  | .9   | .1   |       |       |       |       |       |       |       | 2.0        | 3.5          |
| NNE                    | .1                                   | .4   | .2   |       |       |       |       |       |       |       | .8         | 5.0          |
| NE                     | .4                                   | .4   |      |       |       |       |       |       |       |       | .9         | 7.3          |
| ENE                    | .4                                   | .3   | .1   |       |       |       |       |       |       |       | .9         | 4.1          |
| E                      | .4                                   | .1   | .2   |       |       |       |       |       |       |       | .8         | 4.1          |
| ESE                    | 1.1                                  | .4   | .1   | .1    |       |       |       |       |       |       | 1.7        | 3.7          |
| SE                     | 1.6                                  | .9   | .1   |       |       |       |       |       |       |       | 2.6        | 3.3          |
| SSE                    | 2.7                                  | 5.2  | 3.9  | .4    |       |       |       |       |       |       | 12.3       | 5.6          |
| S                      | 4.0                                  | 17.6 | 10.2 | 3.7   | .3    |       |       |       |       |       | 47.7       | 6.6          |
| SSW                    | 2.9                                  | 3.1  | 2.6  | .2    | .1    |       |       |       |       |       | 8.9        | 5.3          |
| SW                     | 1.9                                  | .8   |      |       |       |       |       |       |       |       | 2.2        | 3.0          |
| WSW                    | .1                                   | .2   |      |       |       |       |       |       |       |       | .3         | 3.3          |
| W                      | .1                                   | .1   | .1   |       |       |       |       |       |       |       | .3         | 5.7          |
| WNW                    | .4                                   |      | .1   |       |       |       |       |       |       |       | .5         | 3.4          |
| WW                     | .2                                   | .5   |      |       |       |       |       |       |       |       | .4         | 3.7          |
| WNW                    | .2                                   | .1   | .1   |       |       |       |       |       |       |       | .8         | 3.1          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 16.7       | ////         |
| TOTAL                  | 21.5                                 | 31.1 | 25.8 | 4.5   | .3    |       |       |       |       |       | 100.0      | 4.9          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(1ST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|---------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                 | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .9                  | .5   | .2   |       |       |       |       |       |       |       | 1.5        | 4.2          |
| NNE                    | .2                  | .6   | .1   |       |       |       |       |       |       |       | 1.1        | 4.8          |
| NE                     | .6                  | .3   | .1   |       |       |       |       |       |       |       | 1.0        | 3.6          |
| NNE                    | .2                  | .2   | .2   |       |       |       |       |       |       |       | .6         | 5.0          |
| E                      | 1.0                 | .2   | .2   | .2    |       |       |       |       |       |       | 1.7        | 5.0          |
| ESE                    | .4                  | .2   |      | .1    |       |       |       |       |       |       | 1.1        | 3.6          |
| SE                     | 1.1                 | 1.7  | .3   |       |       |       |       |       |       |       | 2.9        | 3.9          |
| SSE                    | 2.6                 | 3.2  | 3.4  | .1    |       |       |       |       |       |       | 9.1        | 5.5          |
| S                      | 7.7                 | 14.4 | 15.4 | 5.3   | .7    | .1    |       |       |       |       | 42.8       | 6.8          |
| SSW                    | 3.2                 | 4.4  | 7.0  | 1.0   | .1    |       |       |       |       |       | 18.2       | 6.5          |
| SW                     | .9                  | 1.1  | 1.2  |       |       |       |       |       |       |       | 3.7        | 5.2          |
| WSW                    | 1.4                 |      |      | .1    |       |       |       |       |       |       | 1.5        | 2.4          |
| W                      | .1                  | .2   |      |       |       |       |       |       |       |       | .5         | 3.0          |
| WNW                    | .4                  | .1   | .2   |       |       |       |       |       |       |       | 1.0        | 3.8          |
| W                      | .4                  | .5   | .1   |       |       |       |       |       |       |       | 1.1        | 3.7          |
| WNW                    | .5                  | .4   | .1   |       |       |       |       |       |       |       | 1.1        | 3.9          |
| DATA                   |                     |      |      |       |       |       |       |       |       |       |            |              |
| DATA                   |                     |      |      |       |       |       |       |       |       |       | 14.7       | ////         |
| TOTALS                 | 41.9                | 28.2 | 28.7 | 6.9   | .7    | .1    |       |       |       |       | 100.0      | 5.2          |

TOTAL NUMBER OF OBSERVATIONS: 932

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.7                                  | .4   | .4   | .5    |       |       |       |       |       |       |       | 2.9        | 5.6          |
| NNE                    | .2                                   | .4   | .7   |       |       |       |       |       |       |       |       | 1.0        | 6.0          |
| NE                     | .4                                   | 1.7  | .5   |       |       |       |       |       |       |       |       | 2.3        | 5.1          |
| NNE                    | .4                                   | .9   |      |       |       |       |       |       |       |       |       | 1.5        | 3.7          |
| E                      | 1.7                                  | .9   | .7   |       |       |       |       |       |       |       |       | 2.9        | 3.7          |
| ESE                    | .7                                   | .6   | .1   |       |       |       |       |       |       |       |       | 1.1        | 4.0          |
| SE                     | .5                                   | 1.6  | .4   | .7    |       |       |       |       |       |       |       | 3.1        | 5.4          |
| SSE                    | 1.7                                  | 1.7  | 3.2  | .5    |       |       |       |       |       |       |       | 8.1        | 6.6          |
| S                      | 1.7                                  | 7.7  | 17.0 | 7.2   | .7    | .1    |       |       |       |       |       | 35.6       | 9.0          |
| SSW                    | 1.1                                  | 4.2  | 11.0 | 7.2   | .7    |       |       |       |       |       |       | 18.7       | 8.4          |
| SW                     | .7                                   | 3.7  | 4.5  | 1.2   | .1    |       |       |       |       |       |       | 9.8        | 7.7          |
| WSW                    | 1.0                                  | 1.6  | 1.1  |       |       |       |       |       |       |       |       | 3.7        | 5.0          |
| W                      | 1.4                                  | 1.7  | .2   |       |       |       |       |       |       |       |       | 3.0        | 3.6          |
| WNW                    | .5                                   | .4   |      | .1    |       |       |       |       |       |       |       | 1.1        | 4.2          |
| W                      | .9                                   | .7   |      |       |       |       |       |       |       |       |       | 1.2        | 2.8          |
| WNW                    | .7                                   | .7   | .4   |       |       |       |       |       |       |       |       | 1.1        | 5.4          |
| VARIOUS                |                                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |       | 3.1        | ////         |
| TOTAL                  | 17.1                                 | 29.7 | 39.6 | 15.2  | .6    | .1    |       |       |       |       |       | 100.0      | 7.2          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYSC AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(1ST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .6                   | 1.3  | .5   | .3    |       |       |       |       |       |       |       | 3.1        | 6.1          |
| NNE                    | .5                   | 1.0  | .9   | .1    | .3    |       |       |       |       |       |       | 2.6        | 6.5          |
| NE                     | 1.2                  | .9   | .9   |       |       |       |       |       |       |       |       | 2.9        | 5.0          |
| ENE                    | 1.0                  | 1.5  | 1.5  | .1    |       |       |       |       |       |       |       | 4.1        | 5.8          |
| E                      | 1.3                  | 2.6  | 1.2  |       | .1    |       |       |       |       |       |       | 5.2        | 5.4          |
| ESE                    | .3                   | 1.4  | 1.6  | .4    | .1    |       |       |       |       |       |       | 3.9        | 7.7          |
| SE                     | 1.1                  | 3.0  | 3.1  | .9    |       |       |       |       |       |       |       | 8.1        | 5.7          |
| SSE                    | .9                   | 3.3  | 8.7  | 2.6   | .1    |       |       |       |       |       |       | 15.6       | 5.7          |
| S                      | 1.8                  | 8.6  | 15.2 | 7.3   | .4    |       |       |       |       |       |       | 33.3       | 5.6          |
| SSW                    | .6                   | 2.4  | 3.7  | 2.0   | .1    |       |       |       |       |       |       | 8.8        | 5.7          |
| SW                     | .5                   | 2.3  | 1.3  | .2    |       |       |       |       |       |       |       | 4.3        | 5.7          |
| WSW                    | .5                   | .5   |      |       |       |       |       |       |       |       |       | 1.1        | 5.7          |
| W                      | .2                   | .6   | .2   |       |       |       |       |       |       |       |       | 1.0        | 5.7          |
| WNW                    | .2                   | .4   | .1   |       |       |       |       |       |       |       |       | .7         | 5.7          |
| NW                     | .3                   | .1   | .3   |       |       |       |       |       |       |       |       | .7         | 5.7          |
| NNW                    | .6                   | .3   | .2   |       |       |       |       |       |       |       |       | 1.1        | 5.7          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       |            |              |
| TOTALS                 | 11.9                 | 30.2 | 39.7 | 14.0  | 1.7   |       |       |       |       |       |       |            |              |

TOTAL NUMBER OF OBSERVATIONS: 937

AD-A190 356

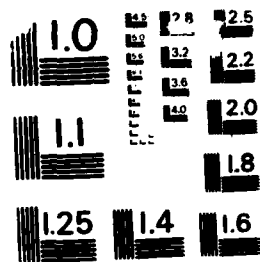
DWESS AFB TEXAS REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS (U.S. AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT AFB JAN 88  
USAFETAC/DS-88/883

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MICROCOPY RESOLUTION TEST CHART  
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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .3                                   | 1.3  | .9   | .2    |       |       |       |       |       |       |       | 2.7        | 6.3          |
| NNE                    | .5                                   | .5   | .8   | .3    | .1    |       |       |       |       |       |       | 2.3        | 7.0          |
| NE                     | .1                                   | 1.2  | 1.0  | .8    |       |       |       |       |       |       |       | 3.0        | 7.7          |
| NNE                    | .9                                   | 1.2  | .9   | .5    |       | .1    |       |       |       |       |       | 3.5        | 6.7          |
| E                      | .6                                   | 2.5  | 2.5  | .5    |       |       |       |       |       |       |       | 6.1        | 7.0          |
| ESE                    | .5                                   | 1.9  | 2.8  | .8    | .1    |       |       |       |       |       |       | 6.0        | 7.6          |
| SE                     | .9                                   | 4.6  | 6.2  | 1.6   |       |       |       |       |       |       |       | 13.3       | 7.4          |
| SSE                    | 2.0                                  | 5.2  | 9.7  | 4.5   |       |       |       |       |       |       |       | 21.4       | 8.0          |
| S                      | 1.4                                  | 6.0  | 13.7 | 7.8   | .1    |       |       |       |       |       |       | 29.0       | 8.9          |
| SSW                    | .6                                   | 1.8  | 1.5  | 1.5   |       |       |       |       |       |       |       | 5.5        | 7.8          |
| SW                     | .4                                   | 1.2  | .8   |       |       |       |       |       |       |       |       | 2.4        | 5.5          |
| WSW                    |                                      | .2   | .2   | .1    |       |       |       |       |       |       |       | .5         | 8.4          |
| W                      | .1                                   | .2   |      |       |       |       |       |       |       |       |       | .3         | 3.7          |
| WtW                    | .2                                   |      |      |       |       | .1    |       |       |       |       |       | .3         | 9.0          |
| NW                     | .1                                   | .4   | .1   |       |       |       |       |       |       |       |       | .6         | 4.8          |
| NNW                    | .4                                   | .7   | .1   | .1    |       |       |       |       |       |       |       | .9         | 4.4          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |       | 2.0        | ////         |
| TOTALS                 | 7.2                                  | 26.4 | 41.0 | 14.8  | .3    | .2    |       |       |       |       |       | 100.0      | 7.7          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .1                   | .4   | .1   |       |       |       |       |       |       |       | .6         | 4.7          |
| NNE                    | .3                   | .8   | .1   |       |       |       |       |       |       |       | 1.2        | 4.9          |
| NE                     | .4                   | .3   | .6   | .3    |       |       |       |       |       |       | 1.7        | 7.1          |
| ENE                    | .6                   | 1.1  | 1.6  | .6    |       |       |       |       |       |       | 4.0        | 7.2          |
| E                      | 1.6                  | 2.4  | 2.3  | .2    |       |       |       |       |       |       | 7.0        | 5.4          |
| ESE                    | 1.0                  | 2.3  | 3.1  | 1.3   |       |       |       |       |       |       | 7.6        | 7.5          |
| SE                     | 1.0                  | 4.2  | 11.8 | 2.0   |       |       |       |       |       |       | 19.2       | 7.8          |
| SSE                    | 1.7                  | 7.4  | 12.4 | 7.5   | .1    |       |       |       |       |       | 25.6       | 7.6          |
| S                      | 2.9                  | 6.7  | 11.0 | 4.0   |       |       |       |       |       |       | 24.5       | 7.5          |
| SSW                    | .3                   | .9   | 1.1  | .3    |       |       |       |       |       |       | 2.6        | 6.7          |
| SW                     | .4                   | .3   | .2   |       |       |       |       |       |       |       | 1.0        | 4.8          |
| WSW                    |                      | .7   |      |       |       |       |       |       |       |       | .3         | 5.3          |
| W                      | .2                   | .3   | .2   |       |       |       |       |       |       |       | .8         | 5.1          |
| WNW                    |                      |      |      |       |       |       |       |       |       |       |            |              |
| NW                     |                      |      |      |       |       |       |       |       |       |       |            |              |
| NNW                    | .1                   |      |      |       |       |       |       |       |       |       | .1         | 3.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 3.8        | ////         |
| TOTALS                 | 11.0                 | 28.3 | 44.5 | 12.4  | .1    |       |       |       |       |       | 100.0      | 7.0          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .3                   | .1   | .1   | .2    | .1    |       |       |       |       |       |       | .9         | 8.0          |
| NNE                    | .1                   | .1   | .3   | .1    |       |       |       |       |       |       |       | .6         | 7.8          |
| NF                     | .4                   | .4   |      |       |       |       |       |       |       |       |       | .9         | 3.8          |
| ENE                    | .2                   | 1.0  | .5   |       |       |       |       |       |       |       |       | 2.3        | 4.5          |
| E                      | 1.5                  | 1.6  | .4   |       |       |       |       |       |       |       |       | 3.5        | 4.2          |
| ESE                    | 1.7                  | 3.2  | .9   |       |       |       |       |       |       |       |       | 5.8        | 4.7          |
| SE                     | 2.9                  | 7.0  | 5.8  | .6    |       |       |       |       |       |       |       | 16.3       | 6.1          |
| SSE                    | 5.2                  | 11.5 | 10.0 | 1.5   |       |       |       |       |       |       |       | 28.2       | 6.0          |
| S                      | 7.5                  | 5.8  | 7.8  | 2.6   | .3    |       |       |       |       |       |       | 27.1       | 6.1          |
| SSW                    | 1.6                  | .9   | .3   |       |       |       |       |       |       |       |       | 2.7        | 3.7          |
| SW                     | .2                   | .1   |      |       |       |       |       |       |       |       |       | .3         | 2.3          |
| WSW                    | .1                   |      |      | .1    |       |       |       |       |       |       |       | .2         | 6.0          |
| W                      |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| WNW                    |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| NW                     | .3                   | .1   | .1   |       |       |       |       |       |       |       |       | .5         | 4.4          |
| NNW                    |                      | .1   |      |       |       |       |       |       |       |       |       | .1         | 5.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 10.5       | ////         |
| TOTALS                 | 22.7                 | 34.6 | 26.3 | 5.2   | .4    |       |       |       |       |       |       | 100.0      | 5.2          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .6                   | .7   | .3   | .2    | .0    |       |       |       |       |       | 1.8        | 5.4          |
| NNE                    | .3                   | .5   | .3   | .1    | .0    |       |       |       |       |       | 1.2        | 6.1          |
| NE                     | .5                   | .6   | .4   | .1    |       |       |       |       |       |       | 1.7        | 5.5          |
| ENE                    | .7                   | .8   | .6   | .2    |       | .7    |       |       |       |       | 2.2        | 5.7          |
| E                      | 1.2                  | 1.5  | .9   | .1    | .0    |       |       |       |       |       | 3.7        | 5.2          |
| ESE                    | .8                   | 1.7  | 1.1  | .3    | .0    |       |       |       |       |       | 3.6        | 6.3          |
| SE                     | 1.3                  | 3.1  | 3.6  | .7    |       |       |       |       |       |       | 8.7        | 6.6          |
| SSE                    | 2.4                  | 5.9  | 7.3  | 1.8   | .0    |       |       |       |       |       | 17.5       | 6.9          |
| S                      | 4.7                  | 11.0 | 14.4 | 5.5   | .3    | .0    |       |       |       |       | 35.9       | 7.4          |
| SSW                    | 1.6                  | 2.4  | 3.5  | 1.0   | .1    |       |       |       |       |       | 8.7        | 6.9          |
| SW                     | .5                   | 1.2  | 1.0  | .2    | .0    |       |       |       |       |       | 2.9        | 6.1          |
| WSW                    | .4                   | .4   | .2   | .0    |       |       |       |       |       |       | 1.0        | 4.6          |
| W                      | .4                   | .4   | .1   | .0    |       |       |       |       |       |       | .9         | 4.3          |
| WNW                    | .3                   | .1   | .1   | .0    |       | .7    |       |       |       |       | .5         | 4.4          |
| NW                     | .3                   | .3   | .1   |       |       |       |       |       |       |       | .6         | 3.9          |
| NNW                    | .3                   | .2   | .1   | .0    |       |       |       |       |       |       | .7         | 4.2          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 8.3        | ////         |
| TOTALS                 | 15.4                 | 30.3 | 34.2 | 10.3  | .5    | .1    |       |       |       |       | 100.0      | 6.2          |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(IST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .8                   | .8   | .6   |       |       |       |       |       |       |       | 2.2        | 4.8          |
| NNE                    | .4                   | .3   | .2   |       |       |       |       |       |       |       | 1.0        | 4.8          |
| NE                     | .8                   | .5   | .2   |       |       |       |       |       |       |       | 1.5        | 4.1          |
| ENE                    | .4                   | .2   |      | .1    |       |       |       |       |       |       | .8         | 4.4          |
| E                      | 1.3                  | 1.0  | .4   |       |       |       |       |       |       |       | 2.7        | 4.2          |
| ESE                    | .7                   | 1.4  | .6   |       |       |       |       |       |       |       | 2.4        | 5.3          |
| SE                     | .8                   | 2.4  | .8   | .3    |       |       |       |       |       |       | 4.2        | 5.5          |
| SSE                    | 3.3                  | 9.4  | 5.1  | .8    | .1    |       |       |       |       |       | 18.6       | 5.9          |
| S                      | 8.0                  | 17.1 | 11.3 | 2.7   |       |       |       |       |       |       | 39.0       | 6.0          |
| SSW                    | 3.5                  | 2.4  | 1.5  | .1    |       |       |       |       |       |       | 7.5        | 4.2          |
| SW                     | .9                   | .2   | .4   | .1    |       |       |       |       |       |       | 1.6        | 4.6          |
| WSW                    | .1                   |      |      |       |       |       |       |       |       |       | .1         | 2.0          |
| W                      | .3                   |      |      |       |       |       |       |       |       |       | .3         | 2.7          |
| WNW                    | .5                   | .1   |      |       |       |       |       |       |       |       | .6         | 2.5          |
| NW                     | .4                   | .2   |      |       |       |       |       |       |       |       | .6         | 3.0          |
| NNW                    | .2                   | .2   |      |       |       |       |       |       |       |       | .5         | 3.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 16.3       | ////         |
| TOTALS                 | 22.2                 | 36.1 | 21.2 | 4.1   | .1    |       |       |       |       |       | 100.0      | 4.6          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .4                   | .8   | .2   | .1    |       |       |       |       |       |       | 1.5        | 5.3          |
| NNE                    | .9                   | .4   | .4   | .2    |       |       |       |       |       |       | 1.9        | 5.2          |
| NE                     | .1                   | .4   | .5   |       |       |       |       |       |       |       | 1.1        | 6.2          |
| ENE                    | .2                   | .4   |      |       |       |       |       |       |       |       | .8         | 3.4          |
| E                      | .2                   | .5   | .2   | .1    |       |       |       |       |       |       | 1.2        | 5.5          |
| ESE                    | .8                   | .9   | .2   |       |       |       |       |       |       |       | 1.9        | 3.9          |
| SE                     | .9                   | 1.7  | .6   | .1    |       |       |       |       |       |       | 3.3        | 5.0          |
| SSE                    | 3.7                  | 5.4  | 4.0  | .6    |       |       |       |       |       |       | 13.7       | 5.6          |
| S                      | 8.7                  | 14.6 | 12.2 | 1.6   | .1    |       |       |       |       |       | 38.2       | 6.0          |
| SSW                    | 2.3                  | 3.4  | 2.5  | .1    |       |       |       |       |       |       | 9.4        | 5.0          |
| SW                     | 1.3                  | .9   | .3   | .2    |       |       |       |       |       |       | 2.7        | 4.4          |
| WSW                    | .5                   | .3   |      |       |       |       |       |       |       |       | .9         | 3.3          |
| W                      | 1.0                  | .3   | .2   |       |       |       |       |       |       |       | 1.5        | 3.3          |
| WNW                    | .8                   | .1   | .1   |       |       |       |       |       |       |       | 1.0        | 2.7          |
| NW                     | 1.3                  | .2   | .1   |       |       |       |       |       |       |       | 1.6        | 2.5          |
| NNW                    | .3                   | .1   |      |       |       |       |       |       |       |       | .4         | 2.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 19.1       | ////         |
| TOTALS                 | 24.5                 | 30.5 | 21.6 | 4.1   | .1    |       |       |       |       |       | 100.0      | 4.4          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(IST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .5                   | 1.1  | .5   | .1    |       |       |       |       |       |       |       | 2.6        | 5.0          |
| NNE                    | 1.3                  | .3   | .2   | .1    |       |       |       |       |       |       |       | 1.9        | 4.0          |
| NE                     | .2                   | .6   | .3   | .2    |       |       |       |       |       |       |       | 1.5        | 6.6          |
| ENE                    | .5                   | .3   | .1   |       |       |       |       |       |       |       |       | 1.0        | 3.2          |
| E                      | .5                   |      | .1   | .1    |       |       |       |       |       |       |       | .8         | 4.6          |
| ESE                    | .2                   | .2   | .2   | .1    |       |       |       |       |       |       |       | .9         | 6.7          |
| SE                     | .9                   | 1.7  | .9   | .5    |       |       |       |       |       |       |       | 3.4        | 6.2          |
| SSE                    | 3.5                  | 3.8  | 3.3  | .5    |       |       |       |       |       |       |       | 11.2       | 5.4          |
| S                      | 8.9                  | 11.8 | 11.1 | 3.2   |       |       |       |       |       |       |       | 35.1       | 6.1          |
| SSW                    | 3.9                  | 4.6  | 4.2  | .3    |       |       |       |       |       |       |       | 13.0       | 5.3          |
| SW                     | 2.0                  | 1.4  | .9   | .1    | .1    |       |       |       |       |       |       | 4.6        | 4.7          |
| WSW                    | .6                   | .5   | .2   |       |       |       |       |       |       |       |       | 1.4        | 4.1          |
| W                      | .9                   | .8   |      |       |       |       |       |       |       |       |       | 1.6        | 3.1          |
| WNW                    | .5                   | .3   |      |       |       |       |       |       |       |       |       | .9         | 3.5          |
| NW                     | .6                   | .4   | .1   |       |       |       |       |       |       |       |       | 1.2        | 3.7          |
| NNW                    | 1.0                  | .9   | .3   |       |       |       |       |       |       |       |       | 2.2        | 4.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 16.9       | ////         |
| TOTALS                 | 26.9                 | 26.4 | 22.4 | 5.4   | .1    |       |       |       |       |       |       | 100.0      | 4.5          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .6                   | 1.3  | 1.3  | .1    |       |       |       |       |       |       | 3.3        | 5.9          |
| NNE                    | .4                   | 1.6  | 1.1  | .3    |       |       |       |       |       |       | 3.3        | 6.7          |
| NE                     | .6                   | 1.1  | .7   |       |       |       |       |       |       |       | 2.6        | 5.3          |
| ENE                    | .6                   | .8   | .4   | .1    |       |       |       |       |       |       | 1.9        | 4.9          |
| E                      | 1.0                  | 1.1  | .6   |       |       |       |       |       |       |       | 2.7        | 4.9          |
| ESE                    | .4                   | .6   | .3   | .1    |       |       |       |       |       |       | 1.5        | 5.4          |
| SE                     | 1.2                  | 1.3  | .1   | .1    |       |       |       |       |       |       | 2.7        | 4.1          |
| SSE                    | 1.2                  | 2.0  | 1.6  | .5    | .1    |       |       |       |       |       | 5.5        | 6.5          |
| S                      | 1.6                  | 6.3  | 15.3 | 7.6   | .4    |       |       |       |       |       | 31.3       | 8.9          |
| SSW                    | 1.4                  | 5.4  | 10.0 | 2.9   |       |       |       |       |       |       | 19.7       | 7.8          |
| SW                     | 1.3                  | 3.5  | 4.8  | .3    |       |       |       |       |       |       | 10.0       | 6.4          |
| WSW                    | .8                   | 1.9  | 1.2  | .4    |       |       |       |       |       |       | 4.3        | 6.0          |
| W                      | 1.4                  | 1.3  | .6   |       |       |       |       |       |       |       | 3.3        | 4.3          |
| WNW                    | .5                   | .5   |      |       |       |       |       |       |       |       | 1.1        | 3.8          |
| NW                     | .5                   | .3   | .3   |       |       |       |       |       |       |       | 1.2        | 4.0          |
| NNW                    | .5                   | .8   | .2   |       |       |       |       |       |       |       | 1.5        | 4.7          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 4.1        | ////         |
| TOTALS                 | 14.2                 | 29.8 | 38.8 | 17.6  | .5    |       |       |       |       |       | 100.0      | 6.9          |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .9                                   | 2.0  | 1.4  | .4    |       |       |       |       |       |       | 4.7        | 6.3          |
| NNE                    | .8                                   | 1.4  | 1.7  | .3    | .1    |       |       |       |       |       | 4.3        | 7.1          |
| NE                     | 1.0                                  | 1.9  | 1.5  | .4    |       |       |       |       |       |       | 4.7        | 6.0          |
| ENE                    | .8                                   | 1.6  | .4   |       |       |       |       |       |       |       | 2.8        | 4.7          |
| E                      | 1.5                                  | 2.7  | 2.2  |       |       |       |       |       |       |       | 6.7        | 5.1          |
| ESE                    | .4                                   | 2.7  | 1.3  |       |       |       |       |       |       |       | 4.3        | 5.6          |
| SE                     | 1.2                                  | 4.1  | 2.7  | .2    |       |       |       |       |       |       | 8.2        | 5.9          |
| SESE                   | 1.1                                  | 4.6  | 5.8  | 2.2   | .2    |       |       |       |       |       | 13.9       | 7.7          |
| S                      | 1.5                                  | 7.1  | 13.7 | 5.6   | .4    |       |       |       |       |       | 28.7       | 8.4          |
| SSW                    | 1.2                                  | 3.1  | 5.3  | .6    |       |       |       |       |       |       | 10.2       | 6.9          |
| SW                     | 1.0                                  | 1.2  | 2.4  | .2    |       |       |       |       |       |       | 4.7        | 6.2          |
| WSW                    | .2                                   | .7   | .5   | .1    |       |       |       |       |       |       | 1.2        | 6.0          |
| W                      | .2                                   | .1   | .6   | .1    |       | .1    |       |       |       |       | 1.2        | 8.7          |
| WNW                    | .2                                   | .2   | .1   |       |       |       |       |       |       |       | .5         | 4.0          |
| NW                     | .5                                   | .2   | .1   |       |       |       |       |       |       |       | 1.4        | 3.8          |
| NNW                    | .4                                   | .2   |      |       |       |       |       |       |       |       | .6         | 3.3          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 1.8        | ////         |
| TOTALS                 | 13.1                                 | 34.3 | 39.7 | 10.2  | .8    | .1    |       |       |       |       | 100.0      | 6.8          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLAR OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(IST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .6                   | 1.3  | .9   | .4    |       |       |       |       |       |       | 3.2        | 6.7          |
| NNE                    | .3                   | .9   | 2.4  | 1.0   |       |       |       |       |       |       | 4.5        | 8.6          |
| NE                     | 1.0                  | 1.5  | .5   | .4    |       |       |       |       |       |       | 3.4        | 5.8          |
| NNE                    | .6                   | 1.6  | 1.4  | .3    |       |       |       |       |       |       | 4.0        | 6.3          |
| E                      | 1.3                  | 4.7  | 3.1  | .9    |       |       |       |       |       |       | 10.0       | 6.3          |
| ESE                    | 1.0                  | 2.5  | 3.5  | .9    | .1    |       |       |       |       |       | 8.0        | 7.2          |
| SE                     | 1.2                  | 3.7  | 3.4  | 1.0   |       |       |       |       |       |       | 9.2        | 6.7          |
| SSE                    | 1.5                  | 5.3  | 9.4  | 2.5   | .1    |       |       |       |       |       | 19.8       | 7.9          |
| S                      | 1.0                  | 5.6  | 11.0 | 4.3   | .2    |       |       |       |       |       | 22.0       | 8.5          |
| SSW                    | .5                   | 1.6  | 3.1  | .8    |       |       |       |       |       |       | 6.0        | 7.5          |
| SW                     | .3                   | .6   | 1.4  | .3    |       |       |       |       |       |       | 2.7        | 7.4          |
| WSW                    | .4                   | .4   |      | .2    |       |       |       |       |       |       | 1.1        | 5.5          |
| W                      | .6                   | .6   | .4   | .3    |       |       |       |       |       |       | 2.0        | 5.9          |
| WNW                    | .3                   | .2   | .2   |       |       |       |       |       |       |       | .8         | 4.7          |
| NW                     | .3                   | .2   | .1   |       |       |       |       |       |       |       | .6         | 4.0          |
| NNW                    | .1                   | .2   | .1   |       |       |       |       |       |       |       | .4         | 4.5          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 2.2        | ////         |
| TOTALS                 | 11.2                 | 31.0 | 41.0 | 14.3  | .4    |       |       |       |       |       | 100.0      | 7.2          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .5                   | .9   | .2   | .3    |       |       |       |       |       |       |       | 1.9        | 6.1          |
| NNE                    | .6                   | .8   | 1.0  | .5    |       |       |       |       |       |       |       | 2.9        | 7.1          |
| NE                     | .2                   | 1.1  | 1.2  | .2    |       |       |       |       |       |       |       | 2.9        | 7.0          |
| ENE                    | 1.0                  | 1.3  | .9   |       |       |       |       |       |       |       |       | 3.1        | 5.0          |
| E                      | 1.4                  | 4.7  | 1.7  | 1.1   | .1    |       |       |       |       |       |       | 9.1        | 6.2          |
| ESE                    | .4                   | 3.5  | 3.9  | .9    |       |       |       |       |       |       |       | 8.6        | 7.1          |
| SE                     | .5                   | 6.0  | 9.8  | 1.4   |       |       |       |       |       |       |       | 18.1       | 7.4          |
| SSE                    | 2.0                  | 6.7  | 9.3  | 2.3   |       |       |       |       |       |       |       | 20.3       | 7.3          |
| S                      | 2.5                  | 6.7  | 9.4  | 2.7   | .1    |       |       |       |       |       |       | 21.5       | 7.3          |
| SSW                    | 1.1                  | .5   | .4   |       |       |       |       |       |       |       |       | 2.3        | 4.3          |
| SW                     | .2                   | .2   | .2   |       |       |       |       |       |       |       |       | .6         | 4.7          |
| WSW                    |                      | .1   |      |       |       |       |       |       |       |       |       | .1         | 4.0          |
| W                      | .3                   | .4   | .1   |       |       |       |       |       |       |       |       | .9         | 4.1          |
| WNW                    | .2                   |      |      |       |       |       |       |       |       |       |       | .3         | 2.3          |
| WW                     | .0                   | .1   | .2   |       |       |       |       |       |       |       |       | .5         | 5.0          |
| NNW                    |                      | .2   | .5   |       |       |       |       |       |       |       |       | .8         | 6.9          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 6.0        | ////         |
| TOTALS                 | 20.0                 | 33.4 | 38.8 | 9.5   | .2    |       |       |       |       |       |       | 100.0      | 6.5          |

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(IST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .5                   | .2   | .4   |       | .1    |       |       |       |       |       | 1.3        | 6.0          |
| NNE                    | .6                   | .4   | .1   | .1    |       |       |       |       |       |       | 1.3        | 4.9          |
| NE                     | .5                   | 1.4  | .5   |       |       |       |       |       |       |       | 2.5        | 5.1          |
| ENE                    | .8                   | 1.2  | .3   |       |       |       |       |       |       |       | 2.3        | 4.4          |
| E                      | 2.2                  | 2.7  | 1.0  | .2    |       |       |       |       |       |       | 6.0        | 4.4          |
| ESE                    | 1.5                  | 3.0  | 1.5  | .1    |       |       |       |       |       |       | 6.9        | 5.3          |
| SE                     | 1.6                  | 6.6  | 3.5  | .5    |       |       |       |       |       |       | 12.2       | 5.8          |
| SSE                    | 5.1                  | 11.8 | 7.0  | .9    |       |       |       |       |       |       | 25.6       | 5.8          |
| S                      | 5.9                  | 9.9  | 7.7  | 1.5   |       |       |       |       |       |       | 25.0       | 5.7          |
| SSW                    | 1.7                  | .1   | .4   |       |       |       |       |       |       |       | 2.3        | 3.3          |
| SW                     | .2                   |      | .2   |       |       |       |       |       |       |       | .4         | 4.8          |
| WSW                    | .3                   |      | .1   |       |       |       |       |       |       |       | .4         | 4.0          |
| W                      | .5                   | .2   |      |       |       |       |       |       |       |       | .8         | 3.1          |
| WNW                    | .2                   | .2   | .2   |       |       |       |       |       |       |       | .6         | 5.3          |
| NW                     | .3                   |      |      |       |       |       |       |       |       |       | .3         | 2.7          |
| NNW                    |                      | .2   | .2   |       |       |       |       |       |       |       | .4         | 6.5          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 11.7       | ////         |
| TOTALS                 | 22.1                 | 38.7 | 24.1 | 2.3   | .1    |       |       |       |       |       | 100.0      | 4.8          |

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(IST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | .7                   | 1.0  | .7   | .2    | .0    |       |       |       |       |       |       | 2.6        | 5.9          |
| NNE                    | .7                   | .9   | .9   | .3    | .0    |       |       |       |       |       |       | 2.6        | 6.7          |
| NEL                    | .6                   | 1.1  | .7   | .2    |       |       |       |       |       |       |       | 2.5        | 5.8          |
| ENE                    | .6                   | .9   | .4   | .1    |       |       |       |       |       |       |       | 2.1        | 5.0          |
| E                      | 1.2                  | 2.2  | 1.2  | .3    | .0    |       |       |       |       |       |       | 4.9        | 5.5          |
| ESE                    | .7                   | 1.9  | 1.5  | .3    | .0    |       |       |       |       |       |       | 4.3        | 6.2          |
| SE                     | 1.1                  | 3.4  | 2.7  | .5    |       |       |       |       |       |       |       | 7.7        | 6.3          |
| SSE                    | 2.7                  | 6.1  | 5.8  | 1.4   | .1    |       |       |       |       |       |       | 16.0       | 6.5          |
| S                      | 4.8                  | 10.0 | 11.4 | 3.8   | .2    |       |       |       |       |       |       | 30.1       | 7.0          |
| SSW                    | 2.1                  | 2.7  | 3.4  | .6    |       |       |       |       |       |       |       | 8.8        | 6.2          |
| SW                     | .9                   | 1.0  | 1.3  | .2    | .0    |       |       |       |       |       |       | 3.4        | 5.8          |
| WSW                    | .4                   | .5   | .3   | .1    |       |       |       |       |       |       |       | 1.2        | 5.3          |
| W                      | .7                   | .5   | .3   | .1    |       | .0    |       |       |       |       |       | 1.5        | 4.6          |
| WNW                    | .4                   | .2   | .1   |       |       |       |       |       |       |       |       | .7         | 3.6          |
| NW                     | .5                   | .3   | .1   |       |       |       |       |       |       |       |       | .9         | 3.5          |
| NNW                    | .3                   | .3   | .2   |       |       |       |       |       |       |       |       | .9         | 4.5          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 9.8        | ////         |
| TOTALS                 | 18.3                 | 32.6 | 30.9 | 7.9   | .3    | .0    |       |       |       |       |       | 100.0      | 5.7          |

TOTAL NUMBER OF OBSERVATIONS: 7434

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.0                                  | 1.4  | 1.2  | .9    |       |       |       |       |       |       | 4.6        | 6.8          |
| NNE                    | .4                                   | 1.3  | .7   | .0    |       |       |       |       |       |       | 2.7        | 5.5          |
| NE                     | .7                                   | .9   | .1   |       |       |       |       |       |       |       | 1.7        | 4.0          |
| ENE                    | .4                                   | .6   | .3   | .2    |       |       |       |       |       |       | 1.6        | 5.7          |
| E                      | .9                                   | .6   | .1   | .1    |       |       |       |       |       |       | 1.7        | 4.2          |
| ESE                    | .4                                   | 1.3  | .3   |       |       |       |       |       |       |       | 2.1        | 5.1          |
| SE                     | 1.0                                  | 2.6  | 2.8  | .2    |       |       |       |       |       |       | 7.1        | 6.7          |
| SSE                    | 2.2                                  | 6.7  | 7.1  | 2.0   | .4    |       |       |       |       |       | 19.0       | 7.4          |
| S                      | 4.6                                  | 6.2  | 9.9  | 6.1   | .3    |       |       |       |       |       | 27.1       | 7.7          |
| SSW                    | 2.6                                  | 1.6  | 1.9  | 1.3   |       |       |       |       |       |       | 7.3        | 6.2          |
| SW                     | .4                                   | .8   | .7   | .1    |       |       |       |       |       |       | 2.0        | 5.6          |
| WSW                    | .6                                   | .1   | .3   |       |       |       |       |       |       |       | 1.0        | 4.6          |
| W                      | .4                                   | .1   |      |       |       |       |       |       |       |       | .6         | 2.8          |
| WNW                    | .7                                   | .1   |      |       |       |       |       |       |       |       | .3         | 3.0          |
| NW                     | .3                                   | .1   | .1   | .1    |       |       |       |       |       |       | .7         | 5.5          |
| NNW                    | .2                                   | 1.0  |      |       |       |       |       |       |       |       | 1.3        | 3.8          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 19.3       | ////         |
| TOTALS                 | 16.6                                 | 25.2 | 25.6 | 12.4  | .6    |       |       |       |       |       | 100.0      | 5.5          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.9                  | 2.4  | 1.4  | 1.0   |       |       |       |       |       |       | 6.8        | 6.2          |
| NNE                    | .9                   | 1.0  | .3   | .2    |       |       |       |       |       |       | 2.4        | 4.7          |
| NE                     | .6                   | .9   | .3   |       |       |       |       |       |       |       | 1.7        | 4.3          |
| ENE                    |                      | .3   | .2   |       |       |       |       |       |       |       | .6         | 6.8          |
| E                      | .2                   | 1.0  | .1   |       |       |       |       |       |       |       | 1.3        | 4.5          |
| ESE                    | .7                   | .4   | .3   |       |       |       |       |       |       |       | 1.4        | 4.5          |
| SE                     | 1.0                  | 1.9  | 1.2  | .3    |       |       |       |       |       |       | 4.4        | 5.7          |
| SSE                    | 3.0                  | 7.1  | 6.0  | .9    | .3    | .1    |       |       |       |       | 17.4       | 6.6          |
| S                      | 5.0                  | 9.8  | 10.8 | 3.2   | .6    |       |       |       |       |       | 29.3       | 6.8          |
| SSW                    | 2.2                  | 1.7  | 2.2  | 1.1   |       |       |       |       |       |       | 7.2        | 6.2          |
| SW                     | 1.0                  | 1.1  | .9   | .2    |       |       |       |       |       |       | 3.2        | 5.2          |
| WSW                    | .6                   | .2   | .2   | .1    |       |       |       |       |       |       | 1.1        | 4.7          |
| W                      | .5                   | .6   |      |       |       |       |       |       |       |       | 1.4        | 3.0          |
| WNW                    | .7                   |      |      |       |       |       |       |       |       |       | .7         | 2.0          |
| NW                     | 1.1                  | .7   | .1   |       |       |       |       |       |       |       | 1.9        | 3.5          |
| NNW                    | 1.2                  | .2   | .1   |       |       |       |       |       |       |       | 1.6        | 2.8          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 17.4       | ////         |
| TOTALS                 | 20.9                 | 29.2 | 24.3 | 7.1   | .9    | .1    |       |       |       |       | 100.0      | 5.0          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.3                                  | 2.3  | 1.4  | 1.1   | .2    |       |       |       |       |       | 6.4        | 7.1          |
| NNE                    | .4                                   | 1.2  | 1.1  | .1    |       |       |       |       |       |       | 2.9        | 6.4          |
| NE                     | .1                                   | .7   | .6   | .2    |       |       |       |       |       |       | 1.6        | 7.1          |
| ENE                    | .2                                   | .6   | .2   | .1    |       |       |       |       |       |       | 1.1        | 6.1          |
| E                      | .2                                   | .9   | .2   | .2    |       |       |       |       |       |       | 1.6        | 5.8          |
| ESE                    | .2                                   | .3   | .4   |       |       |       |       |       |       |       | 1.0        | 5.6          |
| SE                     | 1.0                                  | 1.4  | .6   | .3    |       |       |       |       |       |       | 3.3        | 5.3          |
| SSE                    | 3.2                                  | 6.1  | 3.8  | 1.8   | .2    |       |       |       |       |       | 15.1       | 6.3          |
| S                      | 4.9                                  | 8.6  | 9.0  | 5.1   | .4    |       |       |       |       |       | 28.0       | 7.3          |
| SSW                    | 1.7                                  | 3.3  | 2.4  | 1.2   |       |       |       |       |       |       | 8.7        | 6.4          |
| SW                     | 1.2                                  | .8   | .2   | .3    |       |       |       |       |       |       | 2.6        | 4.7          |
| WSW                    | 1.0                                  | .1   | .3   |       |       |       |       |       |       |       | 1.4        | 4.1          |
| W                      | 1.2                                  | .1   |      |       |       |       |       |       |       |       | 1.3        | 2.1          |
| WNW                    | .3                                   | .3   | .1   |       |       |       |       |       |       |       | .8         | 3.7          |
| NW                     | 1.0                                  | .2   | .2   | .1    |       |       |       |       |       |       | 1.6        | 4.1          |
| NNW                    | 1.6                                  | 1.3  | .3   | .3    |       |       |       |       |       |       | 3.6        | 4.8          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 19.1       | ////         |
| TOTALS                 | 19.7                                 | 28.7 | 21.0 | 11.0  | .9    |       |       |       |       |       | 100.0      | 5.2          |

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.2                  | 2.7  | 1.9  | 1.2   | .4    | .1    |       |       |       |       | 7.6        | 7.6          |
| NNE                    | .9                   | 2.1  | 1.4  | .9    |       |       |       |       |       |       | 5.2        | 6.5          |
| NE                     | .4                   | 1.4  | 1.3  | .3    |       |       |       |       |       |       | 3.6        | 6.4          |
| NNE                    | .4                   | .9   | .4   |       |       |       |       |       |       |       | 1.8        | 5.2          |
| E                      | .8                   | 1.6  | .9   | .6    | .1    |       |       |       |       |       | 3.0        | 6.6          |
| ESE                    | .6                   | .8   | .9   |       |       |       |       |       |       |       | 2.2        | 5.6          |
| SE                     | .9                   | 1.4  | 1.2  | .2    |       |       |       |       |       |       | 3.8        | 5.6          |
| SSE                    | 1.6                  | 2.2  | 3.8  | 2.6   | .1    |       |       |       |       |       | 10.2       | 8.1          |
| S                      | 1.3                  | 3.2  | 11.0 | 10.0  | 1.8   | .1    |       |       |       |       | 27.4       | 10.4         |
| SSW                    | .4                   | 2.8  | 6.4  | 4.0   | .3    |       |       |       |       |       | 14.0       | 9.4          |
| SW                     | .6                   | 2.0  | 1.9  | 1.4   |       |       |       |       |       |       | 5.9        | 7.7          |
| WSW                    | .7                   | 1.1  | 1.1  | .3    |       |       |       |       |       |       | 3.2        | 6.2          |
| W                      | .7                   | .8   | .6   | .1    |       |       |       |       |       |       | 2.1        | 5.2          |
| WNW                    | .7                   | .2   |      |       |       |       |       |       |       |       | .9         | 2.6          |
| NW                     | .8                   | .4   |      |       |       |       |       |       |       |       | 1.2        | 3.1          |
| NNW                    | .7                   | .7   | .7   | .6    |       |       |       |       |       |       | 2.6        | 7.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 4.4        | ////         |
| TOTALS                 | 12.4                 | 24.3 | 33.6 | 22.2  | 2.9   | .2    |       |       |       |       | 100.0      | 7.8          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .6                   | 2.7  | 2.6  | 2.1   |       | .2    |       |       |       |       | 8.3        | 8.5          |
| NNE                    | .4                   | 1.4  | 1.8  | 1.1   |       |       |       |       |       |       | 4.8        | 7.7          |
| NE                     | .6                   | 1.0  | 1.8  | .4    | .1    |       |       |       |       |       | 3.9        | 7.6          |
| ENE                    | .7                   | 1.8  | 1.3  | .3    |       |       |       |       |       |       | 4.1        | 6.1          |
| E                      | .9                   | 2.7  | 1.4  | .6    |       |       |       |       |       |       | 5.6        | 6.3          |
| ESE                    | 1.0                  | 2.2  | 1.7  | .2    |       |       |       |       |       |       | 5.1        | 5.7          |
| SE                     | 1.4                  | 2.2  | 2.3  | .8    |       |       |       |       |       |       | 6.8        | 6.5          |
| ESE                    | .7                   | 3.4  | 4.6  | 2.6   |       |       |       |       |       |       | 11.2       | 8.3          |
| S                      | .4                   | 2.2  | 12.2 | 10.1  | .2    |       |       |       |       |       | 26.0       | 10.1         |
| SSW                    | .3                   | 1.6  | 3.6  | 2.5   | .4    |       |       |       |       |       | 8.8        | 10.1         |
| SW                     | .4                   | .6   | 1.1  | .3    | .1    |       |       |       |       |       | 2.8        | 7.5          |
| WSW                    | .7                   | .5   | .4   | .1    |       |       |       |       |       |       | 2.1        | 5.1          |
| W                      | .7                   | .9   | 1.0  |       |       |       |       |       |       |       | 2.6        | 5.5          |
| WNW                    | .7                   | .4   | .3   |       |       |       |       |       |       |       | 1.4        | 4.3          |
| NW                     | .3                   | .4   | .1   |       |       |       |       |       |       |       | .9         | 4.3          |
| NNW                    | .6                   | .9   | .4   | .1    |       |       |       |       |       |       | 2.0        | 5.4          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 3.7        | ////         |
| TOTALS                 | 10.6                 | 26.2 | 36.7 | 21.7  | 1.0   | .2    |       |       |       |       | 100.0      | 7.8          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .8                   | 2.7  | 3.3  | 1.0   | .1    |       |       |       |       |       | 7.9        | 7.6          |
| NNE                    | .0                   | 1.3  | 2.2  | 1.0   | .1    | .1    |       |       |       |       | 5.0        | 8.9          |
| NE                     | 1.0                  | 2.1  | 3.0  | .9    |       |       |       |       |       |       | 7.0        | 7.2          |
| ENE                    | 1.4                  | 1.7  | 1.7  | .6    |       |       |       |       |       |       | 5.0        | 6.4          |
| E                      | .4                   | 3.2  | 2.6  | .6    |       |       |       |       |       |       | 6.8        | 6.5          |
| ESE                    | 1.1                  | 1.4  | 1.7  | 1.0   |       |       |       |       |       |       | 5.2        | 7.1          |
| SE                     | 1.1                  | 2.7  | 4.9  | 1.9   |       |       |       |       |       |       | 10.6       | 7.7          |
| SSE                    | .7                   | 2.6  | 6.4  | 2.9   | .1    |       |       |       |       |       | 12.7       | 8.8          |
| S                      | .8                   | 2.0  | 10.0 | 7.0   | .4    |       |       |       |       |       | 21.8       | 9.7          |
| SSW                    | .6                   | 1.7  | 2.3  | 2.6   |       |       |       |       |       |       | 6.8        | 8.9          |
| SW                     | .7                   | 1.0  | 1.2  | .2    |       |       |       |       |       |       | 3.1        | 6.3          |
| WSW                    | .7                   | .7   |      |       |       |       |       |       |       |       | 1.0        | 3.9          |
| W                      | .0                   | .6   | .1   |       |       |       |       |       |       |       | .9         | 4.8          |
| WNW                    |                      | .2   | .1   | .1    |       |       |       |       |       |       | .4         | 8.0          |
| NW                     | .6                   | .4   | .1   |       |       |       |       |       |       |       | 1.1        | 4.3          |
| NNW                    | .9                   | .8   | .3   |       |       |       |       |       |       |       | 2.0        | 3.9          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 2.8        | ////         |
| TOTALS                 | 10.4                 | 25.3 | 40.0 | 20.2  | .8    | .1    |       |       |       |       | 100.0      | 7.8          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.3                                  | 2.4  | 2.7  | .9    | .1    |       |       |       |       |       | 7.3        | 6.6          |
| NNE                    | .6                                   | 2.2  | 1.4  | .3    |       |       |       |       |       |       | 4.6        | 6.3          |
| NF                     | .7                                   | 1.2  | 1.6  | .1    |       |       |       |       |       |       | 3.6        | 5.9          |
| ENE                    | 1.0                                  | 1.9  | 1.2  | .2    |       |       |       |       |       |       | 4.3        | 5.6          |
| E                      | 3.0                                  | 2.9  | 2.1  | .3    |       |       |       |       |       |       | 8.3        | 5.1          |
| ESE                    | 1.0                                  | 3.0  | 3.4  | 1.1   | .1    |       |       |       |       |       | 8.7        | 7.3          |
| SE                     | 1.4                                  | 5.0  | 6.0  | 1.9   |       |       |       |       |       |       | 14.3       | 7.3          |
| SSE                    | 1.4                                  | 6.7  | 7.3  | 3.8   | .2    |       |       |       |       |       | 19.4       | 7.9          |
| S                      | 3.4                                  | 5.9  | 5.0  | 2.6   | .1    |       |       |       |       |       | 17.0       | 6.7          |
| SSW                    | .7                                   | .8   | 1.0  | .2    |       |       |       |       |       |       | 2.7        | 6.2          |
| S                      | .4                                   | .2   | .2   |       |       |       |       |       |       |       | .9         | 4.9          |
| WSW                    |                                      | .2   | .1   |       |       |       |       |       |       |       | .3         | 6.3          |
| W                      | .1                                   | .6   | .2   |       |       |       |       |       |       |       | .9         | 5.5          |
| WNW                    |                                      | .1   |      |       |       |       |       |       |       |       | .1         | 4.0          |
| NW                     | .4                                   |      | .1   |       |       |       |       |       |       |       | .6         | 7.4          |
| NNW                    | .6                                   | .0   |      |       |       |       |       |       |       |       | .8         | 3.3          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 6.2        | ////         |
| TOTALS                 | 16.1                                 | 33.3 | 22.4 | 11.3  | .6    |       |       |       |       |       | 100.0      | 6.3          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.1                                  | 2.1  | .6   | .7    |       |       |       |       |       |       | 4.4        | 5.9          |
| NNE                    | .7                                   | 1.9  | 1.1  | .3    |       |       |       |       |       |       | 4.0        | 6.1          |
| NL                     | .6                                   | 1.6  | .3   | .2    |       |       |       |       |       |       | 2.7        | 5.3          |
| NNE                    | .8                                   | 1.0  | .3   | .1    |       |       |       |       |       |       | 2.2        | 4.9          |
| E                      | 1.2                                  | 1.0  | .6   |       |       |       |       |       |       |       | 2.9        | 4.2          |
| ESE                    | 1.9                                  | 2.6  | 1.4  | .9    |       |       |       |       |       |       | 6.8        | 6.0          |
| SE                     | 1.9                                  | 4.9  | 5.1  | .7    |       |       |       |       |       |       | 12.6       | 6.4          |
| SSE                    | 2.4                                  | 7.6  | 7.4  | 3.7   | .6    |       |       |       |       |       | 21.7       | 7.6          |
| S                      | 4.8                                  | 5.7  | 7.1  | 2.9   | .3    |       |       |       |       |       | 20.8       | 6.9          |
| SSW                    | 2.0                                  | 1.1  | .9   | .6    |       |       |       |       |       |       | 4.6        | 5.2          |
| SW                     | .7                                   | .2   |      |       |       |       |       |       |       |       | .9         | 2.6          |
| WSW                    | .2                                   |      |      |       |       |       |       |       |       |       | .2         | 1.5          |
| W                      | .4                                   |      |      |       |       |       |       |       |       |       | .4         | 2.0          |
| WNW                    | .1                                   | .1   |      |       |       |       |       |       |       |       | .2         | 3.5          |
| NW                     | .6                                   | .1   |      |       |       |       |       |       |       |       | .7         | 2.3          |
| NNW                    | .2                                   | .4   |      |       |       |       |       |       |       |       | .8         | 3.1          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 14.2       | ////         |
| TOTALS                 | 19.6                                 | 30.2 | 24.9 | 10.0  | .5    |       |       |       |       |       | 100.0      | 5.5          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.2                  | 2.3  | 1.9  | 1.1   | .1    | .3    |       |       |       |       |       | 6.7        | 7.2          |
| NNE                    | .6                   | 1.6  | 1.3  | .5    | .0    | .0    |       |       |       |       |       | 3.9        | 6.8          |
| NE                     | .6                   | 1.2  | 1.1  | .3    | .0    |       |       |       |       |       |       | 3.2        | 6.4          |
| NNE                    | .6                   | 1.0  | .7   | .2    |       |       |       |       |       |       |       | 2.6        | 5.9          |
| E                      | 1.0                  | 1.7  | 1.0  | .3    | .0    |       |       |       |       |       |       | 4.0        | 5.7          |
| ESE                    | .9                   | 1.5  | 1.3  | .4    | .0    |       |       |       |       |       |       | 4.1        | 6.3          |
| SE                     | 1.2                  | 2.8  | 3.0  | .9    |       |       |       |       |       |       |       | 7.9        | 6.7          |
| SSE                    | 1.9                  | 5.3  | 5.8  | 2.6   | .2    | .0    |       |       |       |       |       | 15.8       | 7.6          |
| S                      | 3.2                  | 5.7  | 9.4  | 5.9   | .5    | .0    |       |       |       |       |       | 24.7       | 8.3          |
| SSW                    | 1.3                  | 1.8  | 2.6  | 1.7   | .1    |       |       |       |       |       |       | 7.5        | 7.8          |
| SW                     | .7                   | .9   | .8   | .3    | .0    |       |       |       |       |       |       | 2.7        | 6.2          |
| WSW                    | .5                   | .4   | .3   | .1    |       |       |       |       |       |       |       | 1.3        | 5.0          |
| W                      | .6                   | .4   | .2   | .0    |       |       |       |       |       |       |       | 1.3        | 4.3          |
| WNW                    | .3                   | .2   | .1   | .0    |       |       |       |       |       |       |       | .6         | 3.8          |
| NW                     | .6                   | .3   | .1   | .0    |       |       |       |       |       |       |       | 1.1        | 3.8          |
| NNW                    | .5                   | .7   | .2   | .1    |       |       |       |       |       |       |       | 1.8        | 4.7          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 10.9       | ////         |
| TOTALS                 | 15.8                 | 27.8 | 29.8 | 14.5  | 1.1   | .1    |       |       |       |       |       | 100.0      | 6.4          |

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLAR OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.4                  | 2.0  | 2.4  | .6    |       |       |       |       |       |       |       | 6.5        | 6.7          |
| NNE                    | .4                   | 1.5  | .8   | .3    | .1    |       |       |       |       |       |       | 3.5        | 7.5          |
| NE                     | .4                   | .9   | .4   | .1    |       |       |       |       |       |       |       | 1.7        | 5.6          |
| ENE                    | .2                   | .6   |      |       |       |       |       |       |       |       |       | .9         | 4.9          |
| E                      | .2                   | 1.0  | .2   |       |       |       |       |       |       |       |       | 1.4        | 5.0          |
| ESE                    | .1                   | .4   | .5   |       |       |       |       |       |       |       |       | 1.3        | 6.6          |
| SE                     | 1.0                  | 1.2  | 1.3  | .4    |       |       |       |       |       |       |       | 3.9        | 6.5          |
| SSE                    | 1.7                  | 4.5  | 3.8  | 2.6   | .2    |       |       |       |       |       |       | 12.8       | 7.5          |
| S                      | 4.8                  | 6.9  | 6.1  | 4.5   | .2    |       |       |       |       |       |       | 22.6       | 7.0          |
| SSW                    | 3.9                  | 3.9  | 2.6  | 1.4   |       |       |       |       |       |       |       | 11.7       | 5.5          |
| SW                     | 1.6                  | 1.4  | .6   | .1    |       |       |       |       |       |       |       | 3.8        | 4.7          |
| WSW                    | 1.3                  | .5   | .3   | .3    |       |       |       |       |       |       |       | 2.5        | 5.0          |
| W                      | .8                   | .3   | .1   | .2    |       |       |       |       |       |       |       | 1.4        | 4.5          |
| WNW                    | .5                   | .2   |      | .2    |       |       |       |       |       |       |       | 1.3        | 4.9          |
| NW                     | 1.5                  | .5   | .3   | .2    |       |       |       |       |       |       |       | 2.6        | 4.3          |
| NNW                    | 1.0                  | .8   | .6   | .3    | .1    |       |       |       |       |       |       | 2.8        | 6.6          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 19.5       | ////         |
| TOTALS                 | 21.1                 | 26.9 | 20.1 | 11.8  | .6    |       |       |       |       |       |       | 100.0      | 5.2          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | 1.1                                  | 3.1  | 2.2  | .4    | .4    |       |       | 7.2        | 6.9          |
| NNE                    | .3                                   | 1.1  | 1.2  | .5    |       |       |       | 3.1        | 7.5          |
| NE                     | .3                                   | .2   | .8   | .1    |       |       |       | 1.4        | 7.2          |
| ENE                    | .6                                   | .2   | .1   |       |       |       |       | 1.0        | 3.7          |
| E                      | .5                                   | .9   | .1   |       |       |       |       | 1.5        | 4.4          |
| ESE                    | .5                                   | .4   | .1   |       |       |       |       | 1.1        | 4.1          |
| SE                     | .6                                   | .9   | .5   | .5    |       |       |       | 2.5        | 7.0          |
| SSE                    | 2.0                                  | 3.5  | 2.0  | 1.4   | .1    | .2    |       | 9.4        | 6.9          |
| S                      | 5.6                                  | 7.3  | 5.9  | 4.1   | .3    | .2    |       | 23.3       | 7.0          |
| SSW                    | 2.9                                  | 2.9  | 3.0  | .6    |       |       |       | 9.5        | 5.7          |
| SW                     | 1.2                                  | 1.5  | .9   | .2    |       |       |       | 3.8        | 5.1          |
| WSW                    | 1.2                                  | .5   | .4   |       |       |       |       | 2.2        | 4.2          |
| W                      | 1.2                                  | .9   | .8   |       |       |       |       | 2.7        | 4.6          |
| WNW                    | 1.7                                  | .5   |      |       |       |       |       | 2.3        | 3.0          |
| NW                     | .6                                   | 1.2  | .4   | .7    |       |       |       | 2.7        | 5.2          |
| NNW                    | .6                                   | 1.2  | .6   | .5    | .1    |       |       | 3.1        | 7.0          |
| VARIABLE               |                                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       | 23.4       | ////         |
| TOTALS                 | 21.3                                 | 26.0 | 19.0 | 6.8   | 1.0   | .4    |       | 100.0      | 4.9          |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOLRLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.2                                  | 1.0  | 1.9  | 1.1   | .6    |       |       |       |       |       | 6.8        | 8.3          |
| NNE                    | .4                                   | .8   | .9   | .6    |       |       |       |       |       |       | 2.7        | 7.7          |
| NE                     | .3                                   | .5   | .2   | .1    |       |       |       |       |       |       | 1.4        | 5.5          |
| ENE                    | .5                                   | .6   | .1   |       |       |       |       |       |       |       | 1.3        | 4.1          |
| E                      | .4                                   | 1.1  | .1   | .1    |       |       |       |       |       |       | 1.7        | 4.9          |
| ESE                    | .4                                   | .6   | .2   | .1    |       |       |       |       |       |       | 1.4        | 4.9          |
| SE                     | 1.1                                  | 1.3  | .9   | .1    |       |       |       |       |       |       | 3.3        | 5.1          |
| SSE                    | 2.0                                  | 3.0  | 2.9  | 1.3   |       |       |       |       |       |       | 9.2        | 6.5          |
| S                      | 4.4                                  | 5.8  | 7.3  | 3.1   | .1    |       |       |       |       |       | 20.8       | 6.8          |
| SSW                    | 1.8                                  | 2.8  | 2.9  | .1    |       |       |       |       |       |       | 7.6        | 5.7          |
| SW                     | 1.5                                  | 1.7  | .8   | .6    |       |       |       |       |       |       | 4.6        | 5.6          |
| WSW                    | 1.3                                  | .6   | .9   |       |       |       |       |       |       |       | 2.9        | 4.6          |
| W                      | 1.6                                  | 1.7  | .8   | .1    | .1    |       |       |       |       |       | 3.8        | 4.8          |
| WNW                    | 2.0                                  | .7   | .2   | .3    |       |       |       |       |       |       | 3.4        | 4.3          |
| NW                     | 1.5                                  | 1.7  | .6   |       |       |       |       |       |       |       | 3.9        | 4.2          |
| NNW                    | 1.4                                  | 1.9  | 1.0  | .3    |       |       |       |       |       |       | 4.6        | 5.4          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 23.6       | ////         |
| TOTALS                 | 22.3                                 | 26.6 | 21.6 | 8.1   | .9    |       |       |       |       |       | 100.0      | 4.8          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.1                  | 2.9  | 3.5  | 2.2   | 1.3   | .2    |       |       |       |       | 11.2       | 9.3          |
| NNE                    | .2                   | 1.0  | 1.5  | .4    | .4    |       |       |       |       |       | 4.3        | 9.6          |
| NE                     | .4                   | 1.2  | .9   | .3    |       |       |       |       |       |       | 2.8        | 6.4          |
| ENE                    | .4                   | .9   | .2   | .1    | .1    |       |       |       |       |       | 1.7        | 6.4          |
| E                      |                      | .6   | .9   | .1    |       |       |       |       |       |       | 1.6        | 7.3          |
| ESE                    | .6                   | 1.4  | .6   |       |       |       |       |       |       |       | 2.7        | 5.1          |
| SE                     | .3                   | 1.4  | .8   | .2    |       |       |       |       |       |       | 2.7        | 6.2          |
| SSE                    | .4                   | 2.5  | 3.1  | 2.0   |       |       |       |       |       |       | 8.1        | 8.0          |
| S                      | 1.3                  | 4.5  | 7.8  | 6.9   | .9    |       |       |       |       |       | 21.4       | 9.3          |
| SSW                    | 1.1                  | 2.0  | 5.6  | 4.4   | .2    |       |       |       |       |       | 13.3       | 9.2          |
| SW                     | .6                   | 1.1  | 2.7  | 1.2   | .1    |       |       |       |       |       | 5.7        | 8.2          |
| WSW                    | .4                   | 1.6  | 1.5  | .4    |       |       |       |       |       |       | 4.0        | 6.6          |
| W                      | 1.2                  | 1.3  | 1.9  | .3    | .1    |       |       |       |       |       | 4.8        | 6.4          |
| WNW                    | .6                   | 1.2  | .5   | .1    |       |       |       |       |       |       | 2.5        | 5.4          |
| W                      | .8                   | 1.7  | .8   |       |       |       |       |       |       |       | 3.2        | 5.2          |
| WNW                    | 1.1                  | 1.4  | 1.7  | .6    |       |       |       |       |       |       | 4.8        | 7.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 5.2        | ////         |
| TOTAL                  | 10.6                 | 26.7 | 34.4 | 19.8  | 3.1   | .2    |       |       |       |       | 100.0      | 7.7          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.6                                  | 2.6  | 4.3  | 1.9   | .6    |       |       |       |       |       | 11.2       | 8.3          |
| NNE                    | .6                                   | .9   | 2.4  | 1.5   | .1    |       |       |       |       |       | 5.5        | 8.8          |
| NE                     | .9                                   | .4   | .6   | 1.1   |       |       |       |       |       |       | 3.0        | 7.8          |
| NNE                    | .5                                   | .4   | .8   | .1    |       |       |       |       |       |       | 1.8        | 5.6          |
| E                      | .4                                   | 1.2  | .4   |       |       |       |       |       |       |       | 2.0        | 4.8          |
| ESE                    | .4                                   | 1.2  | .4   |       |       |       |       |       |       |       | 2.0        | 4.9          |
| SE                     | 1.1                                  | 1.3  | 1.5  | .6    |       |       |       |       |       |       | 4.4        | 6.5          |
| ESE                    | .6                                   | 1.7  | 3.0  | 2.5   |       |       |       |       |       |       | 7.8        | 8.5          |
| S                      | .8                                   | 3.9  | 10.5 | 4.3   | .6    |       |       |       |       |       | 20.2       | 9.1          |
| SSW                    | .6                                   | 2.7  | 5.9  | 4.1   | .2    |       |       |       |       |       | 13.7       | 9.1          |
| SW                     | .5                                   | 2.6  | 2.6  | 1.3   |       |       |       |       |       |       | 7.0        | 7.7          |
| WSW                    | .1                                   | .8   | 1.5  | .5    | .1    |       |       |       |       |       | 3.0        | 8.6          |
| W                      | 1.0                                  | .9   | 1.1  | .3    | .3    |       |       |       |       |       | 3.5        | 6.9          |
| WNW                    | .2                                   | .3   | 1.1  | .3    |       |       |       |       |       |       | 1.9        | 7.9          |
| NW                     | 1.7                                  | 1.5  | .6   | .2    |       |       |       |       |       |       | 3.3        | 5.4          |
| NNW                    | .9                                   | 2.5  | 2.3  | .3    |       |       |       |       |       |       | 5.9        | 6.4          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 3.5        | ////         |
| TOTALS                 | 11.4                                 | 25.1 | 38.8 | 19.0  | 2.2   |       |       |       |       |       | 100.0      | 7.7          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | 1.0                                  | 3.9  | 6.0  | 2.8   | .5    |       |       | 14.2       | 8.5          |
| NNE                    | .1                                   | 1.4  | 2.0  | 1.1   |       |       |       | 4.6        | 8.5          |
| NE                     | 1.1                                  | .9   | 1.4  | .4    |       |       |       | 3.7        | 6.7          |
| ENE                    | .4                                   | .9   | .5   | .2    |       |       |       | 2.0        | 6.0          |
| E                      | .8                                   | 1.0  | .3   |       |       |       |       | 2.0        | 4.1          |
| ESE                    | .6                                   | 1.4  | .9   | .1    |       |       |       | 2.9        | 5.7          |
| SE                     | 1.0                                  | 1.7  | 2.2  | .2    |       |       |       | 5.1        | 6.3          |
| SSE                    | .6                                   | 2.9  | 6.2  | 2.0   |       |       |       | 11.9       | 7.9          |
| S                      | 1.5                                  | 4.4  | 9.5  | 5.6   | .2    | .1    |       | 21.3       | 8.8          |
| SSW                    | .9                                   | 2.4  | 3.9  | 2.4   |       |       |       | 9.5        | 8.3          |
| SW                     | .2                                   | 1.6  | 1.8  | .5    |       |       |       | 4.3        | 7.5          |
| WSW                    | 1.0                                  | .9   | .9   | .1    |       |       |       | 2.9        | 5.2          |
| W                      | .4                                   | 1.7  | .8   | .4    | .2    | .1    |       | 3.2        | 6.2          |
| WNW                    | .2                                   | .5   | .6   | .2    |       |       |       | 1.6        | 7.5          |
| WW                     | .8                                   | .2   | .9   | .5    |       |       |       | 2.9        | 6.8          |
| NNW                    | .6                                   | 1.3  | 1.1  | .0    |       |       |       | 4.3        | 6.9          |
| VARIABLE               |                                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       | 3.8        | ////         |
| TOTALS                 | 11.7                                 | 27.5 | 36.8 | 17.4  | 1.0   | .2    |       | 100.0      | 7.5          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.5                  | 4.0  | 3.7  | 1.4   | .2    |       |       |       |       |       |       | 10.8       | 7.1          |
| NNE                    | 1.1                  | 2.8  | 2.3  | .5    |       |       |       |       |       |       |       | 6.7        | 6.4          |
| NE                     | 1.4                  | 1.2  | .2   | .2    |       |       |       |       |       |       |       | 3.0        | 4.4          |
| ENE                    | .8                   | .4   | .3   |       |       |       |       |       |       |       |       | 1.5        | 4.6          |
| E                      | 1.3                  | 1.9  | .3   |       |       |       |       |       |       |       |       | 3.5        | 4.1          |
| ESE                    | .5                   | 2.8  | 1.0  | .2    |       |       |       |       |       |       |       | 4.5        | 5.6          |
| SE                     | 1.1                  | 3.2  | 2.9  | .6    |       |       |       |       |       |       |       | 7.8        | 6.5          |
| SSE                    | 2.3                  | 4.1  | 3.3  | .9    |       |       |       |       |       |       |       | 10.5       | 6.2          |
| S                      | 7.5                  | 5.2  | 3.7  | 1.6   | .2    |       |       |       |       |       |       | 18.9       | 5.4          |
| SSW                    | 3.7                  | 1.9  | 1.0  |       |       |       |       |       |       |       |       | 6.5        | 3.8          |
| SW                     | 1.7                  | .9   |      |       |       |       |       |       |       |       |       | 2.6        | 2.8          |
| WSW                    | 1.7                  | .4   | .1   |       |       |       |       |       |       |       |       | 1.5        | 3.1          |
| W                      | .2                   | .2   | .2   | .2    |       |       |       |       |       |       |       | .9         | 7.5          |
| WNW                    | .1                   | .3   |      | .1    |       |       |       |       |       |       |       | .8         | 5.3          |
| NW                     | .6                   | .4   | .1   | .1    |       |       |       |       |       |       |       | 1.3        | 4.5          |
| NNW                    | .8                   | .6   | .4   | .6    |       |       |       |       |       |       |       | 2.5        | 6.8          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 16.5       | ////         |
| TOTALS                 | 25.7                 | 31.4 | 19.5 | 6.6   | .4    |       |       |       |       |       |       | 100.0      | 4.7          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.8                  | 3.3  | 2.5  | 1.3   | .1    |       |       |       |       |       | 9.0        | 6.6          |
| NNE                    | .3                   | 1.7  | 1.2  |       | .1    |       |       |       |       |       | 3.3        | 6.7          |
| NE                     | .4                   | 1.4  | .4   |       |       |       |       |       |       |       | 2.3        | 5.0          |
| ENE                    | .1                   | .4   | .3   |       |       |       |       |       |       |       | .9         | 6.3          |
| E                      | 1.2                  | 1.3  | .3   | .1    |       |       |       |       |       |       | 2.9        | 4.2          |
| ESE                    | .5                   | 1.0  | .5   | .1    |       |       |       |       |       |       | 2.2        | 5.3          |
| SE                     | .8                   | 1.5  | 3.5  | 1.1   |       |       |       |       |       |       | 6.9        | 7.7          |
| SSE                    | 2.2                  | 3.7  | 4.1  | 1.9   |       |       |       |       |       |       | 11.8       | 6.9          |
| S                      | 6.5                  | 6.2  | 6.2  | 2.3   | .3    | .1    |       |       |       |       | 21.6       | 6.4          |
| SSW                    | 4.0                  | 1.9  | 1.4  | .1    |       |       |       |       |       |       | 7.4        | 4.2          |
| SW                     | 2.3                  | .8   | .2   |       |       |       |       |       |       |       | 3.2        | 3.1          |
| WSW                    | .9                   | .9   | .4   |       |       |       |       |       |       |       | 2.0        | 4.6          |
| W                      | .3                   | .1   |      | .3    |       |       |       |       |       |       | .8         | 7.1          |
| WNW                    | .3                   | .7   |      | .1    |       |       |       |       |       |       | .8         | 4.6          |
| NW                     | .9                   | .7   | .4   |       |       |       |       |       |       |       | 1.6        | 4.3          |
| NNW                    | .9                   | .6   | .3   | .2    |       |       |       |       |       |       | 2.0        | 5.2          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 21.3       | ////         |
| TOTALS                 | 23.2                 | 25.4 | 21.9 | 7.5   | .5    | .1    |       |       |       |       | 100.0      | 4.7          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | 1.3                                  | 3.0  | 3.3  | 1.5   | .5    | .0    |       |       |       |       |            | 9.6          | 7.8   |
| NNE                    | .4                                   | 1.4  | 1.6  | .7    | .1    |       |       |       |       |       |            | 4.2          | 7.8   |
| NE                     | .7                                   | .8   | .6   | .3    |       |       |       |       |       |       |            | 2.4          | 6.1   |
| NNE                    | .5                                   | .6   | .3   | .1    | .0    |       |       |       |       |       |            | 1.4          | 5.3   |
| E                      | .6                                   | 1.1  | .3   | .0    |       |       |       |       |       |       |            | 2.1          | 4.7   |
| ESE                    | .5                                   | 1.2  | .5   | .1    |       |       |       |       |       |       |            | 2.3          | 5.4   |
| SE                     | .9                                   | 1.5  | 1.7  | .5    |       |       |       |       |       |       |            | 4.6          | 6.6   |
| SSE                    | 1.5                                  | 3.2  | 3.6  | 1.8   | .7    | .7    |       |       |       |       |            | 10.2         | 7.3   |
| S                      | 4.0                                  | 5.6  | 7.1  | 4.0   | .4    | .1    |       |       |       |       |            | 21.3         | 7.5   |
| SSW                    | 2.4                                  | 2.6  | 3.3  | 1.6   | .1    |       |       |       |       |       |            | 9.9          | 6.9   |
| SW                     | 1.2                                  | 1.4  | 1.2  | .5    | .0    |       |       |       |       |       |            | 4.4          | 6.1   |
| WSW                    | .5                                   | .8   | .8   | .2    | .0    |       |       |       |       |       |            | 2.6          | 5.5   |
| W                      | .5                                   | .7   | .7   | .2    | .1    | .0    |       |       |       |       |            | 2.6          | 6.2   |
| WNW                    | .8                                   | .6   | .3   | .2    |       |       |       |       |       |       |            | 1.9          | 5.3   |
| NW                     | 1.0                                  | 1.0  | .5   | .2    |       |       |       |       |       |       |            | 2.7          | 5.1   |
| NNW                    | .5                                   | 1.4  | 1.0  | .5    | .0    |       |       |       |       |       |            | 3.8          | 6.4   |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 14.2         | ////  |
| TOTALS                 | 19.4                                 | 26.7 | 26.8 | 12.4  | 1.2   | .1    |       |       |       |       |            | 100.0        | 5.9   |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYEST AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .9                                   | 2.7  | 3.1  | 2.7   |       |       |       |       |       |       | 9.3        | 8.4          |
| NNE                    | .7                                   | .7   | 1.1  | .6    |       |       |       |       |       |       | 3.0        | 7.3          |
| N-E                    | .1                                   | .9   |      | .1    |       |       |       |       |       |       | 1.1        | 5.2          |
| ENE                    | .3                                   | .3   | .2   |       |       |       |       |       |       |       | .9         | 4.6          |
| E                      | .9                                   | .7   | .2   | .1    |       |       |       |       |       |       | 1.9        | 4.7          |
| ESE                    | .4                                   | .6   | .3   |       |       |       |       |       |       |       | 1.3        | 5.3          |
| SE                     | .4                                   | .4   | .8   | .1    |       |       |       |       |       |       | 1.8        | 6.5          |
| SSE                    | 1.4                                  | 1.9  | 2.2  | .6    | .7    |       |       |       |       |       | 6.7        | 7.5          |
| S                      | 4.9                                  | 4.2  | 5.7  | 4.9   | .7    |       |       |       |       |       | 20.3       | 7.7          |
| SSW                    | 3.9                                  | 1.8  | 3.0  | 2.8   | .0    |       |       |       |       |       | 11.7       | 7.0          |
| SW                     | 2.4                                  | 1.9  | 1.6  | .3    | .2    |       |       |       |       |       | 6.4        | 5.5          |
| WSW                    | .9                                   | .4   | 1.3  | .4    |       |       |       |       |       |       | 3.4        | 6.5          |
| W                      | 1.1                                  | 1.6  | .4   | .2    |       |       |       |       |       |       | 3.3        | 4.8          |
| WNW                    | .6                                   | 1.4  | 1.0  |       |       |       |       |       |       |       | 3.2        | 5.3          |
| NW                     | 1.2                                  | 1.0  | .9   | .7    |       |       |       |       |       |       | 3.8        | 5.2          |
| NNW                    | 1.3                                  | .6   | .8   | .4    |       |       |       |       |       |       | 3.1        | 5.6          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 18.9       | ////         |
| TOTALS                 | 21.8                                 | 21.6 | 22.7 | 13.7  | 1.4   |       |       |       |       |       | 100.0      | 5.5          |

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOLRLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(1ST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.6                                  | 1.8  | 3.8  | 2.2   | .3    |       |       |       |       |       | 9.7        | 8.2          |
| NNE                    | .3                                   | .8   | .8   | .3    |       |       |       |       |       |       | 2.2        | 7.4          |
| NE                     | .1                                   | .9   | .6   |       |       |       |       |       |       |       | 1.4        | 5.8          |
| NNE                    | .4                                   | .6   | .2   |       |       |       |       |       |       |       | 1.2        | 4.5          |
| E                      | .3                                   | .3   | .2   |       |       |       |       |       |       |       | .9         | 4.8          |
| ESE                    | .9                                   | .7   | .2   |       |       |       |       |       |       |       | 1.7        | 3.8          |
| SE                     | .8                                   | 1.0  | .6   |       |       |       |       |       |       |       | 2.3        | 4.9          |
| SE                     | 1.8                                  | 1.8  | 1.2  | .3    | .1    |       |       |       |       |       | 5.2        | 5.9          |
| S                      | 4.0                                  | 3.4  | 5.2  | 4.9   | .6    | .1    |       |       |       |       | 18.2       | 7.9          |
| SSW                    | 3.1                                  | 1.7  | 2.7  | 2.0   | .1    |       |       |       |       |       | 9.6        | 6.8          |
| SW                     | 2.0                                  | 1.9  | 1.7  | .7    | .1    |       |       |       |       |       | 6.2        | 5.2          |
| WSW                    | 1.1                                  | .7   | 1.8  | .9    |       |       |       |       |       |       | 4.4        | 7.2          |
| W                      | 1.1                                  | 1.3  | .8   | .1    |       |       |       |       |       |       | 3.3        | 5.0          |
| WNW                    | 1.1                                  | 1.1  | 1.4  | .1    | .1    |       |       |       |       |       | 3.9        | 5.9          |
| W                      | .8                                   | 1.2  | .8   | .1    |       |       |       |       |       |       | 2.9        | 5.3          |
| NNW                    | 1.6                                  | 1.9  | 1.9  | .4    |       |       |       |       |       |       | 5.8        | 5.9          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 21.0       | ////         |
| TOTALS                 | 20.9                                 | 20.8 | 23.8 | 17.1  | 1.7   | .1    |       |       |       |       | 100.0      | 5.3          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.6                  | 2.0  | 4.4  | 7.0   | .3    | .1    |       |       |       |       |       | 11.4       | 8.7          |
| NNE                    | .3                   | .7   | .2   | 1.0   |       |       |       |       |       |       |       | 2.2        | 9.8          |
| NE                     | .6                   | .3   | .3   | .1    | .1    |       |       |       |       |       |       | 1.4        | 6.3          |
| NNE                    | .4                   | .9   |      |       |       |       |       |       |       |       |       | 1.3        | 4.1          |
| E                      | .6                   | .1   |      |       |       |       |       |       |       |       |       | .7         | 2.5          |
| ESE                    | .0                   | .2   |      |       |       |       |       |       |       |       |       | .4         | 3.5          |
| SE                     | .7                   | 1.1  | .8   | .3    |       |       |       |       |       |       |       | 2.9        | 6.4          |
| SSE                    | 2.0                  | 1.6  | 1.2  | .8    |       |       |       |       |       |       |       | 5.6        | 5.9          |
| S                      | 3.4                  | 4.4  | 7.9  | 2.9   | .9    |       |       |       |       |       |       | 15.9       | 7.5          |
| SSW                    | 1.9                  | 1.6  | 2.8  | 1.0   |       |       |       |       |       |       |       | 7.4        | 6.8          |
| SW                     | 1.5                  | .8   | 1.6  | 1.0   |       |       |       |       |       |       |       | 5.3        | 6.4          |
| WSW                    | 1.1                  | .7   | 1.4  | 1.2   |       |       |       |       |       |       |       | 4.4        | 7.8          |
| W                      | 1.7                  | 1.4  | .9   | .3    |       |       |       |       |       |       |       | 4.3        | 5.1          |
| WNW                    | 1.5                  | 1.9  | 1.7  | .1    |       |       |       |       |       |       |       | 5.4        | 5.3          |
| WW                     | 1.0                  | 2.7  | 1.1  | .2    |       |       |       |       |       |       |       | 4.6        | 5.3          |
| NNW                    | .6                   | 1.7  | 2.8  | .4    |       |       |       |       |       |       |       | 5.4        | 6.9          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 21.1       | ////         |
| TOTALS                 | 17.6                 | 21.9 | 23.2 | 12.7  | 1.3   | .1    |       |       |       |       |       | 100.0      | 5.4          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72266 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .9                   | 2.2  | 5.6  | 6.0   | .3    |       |       |       |       |       | 15.0       | 9.8          |
| NNE                    | .3                   | 1.1  | .8   | .7    | .2    |       |       |       |       |       | 3.1        | 8.2          |
| NE                     | .1                   | .9   | .3   | .6    |       |       |       |       |       |       | 1.9        | 7.5          |
| ENE                    | .2                   | .6   | .2   | .2    |       |       |       |       |       |       | 1.2        | 6.5          |
| E                      | .4                   | 1.0  | .7   | .1    |       |       |       |       |       |       | 2.2        | 5.7          |
| ESE                    | .2                   | .7   | .4   |       |       |       |       |       |       |       | 1.4        | 4.8          |
| SE                     | .4                   | .7   | 1.1  | .2    |       |       |       |       |       |       | 2.4        | 6.5          |
| SSE                    | .7                   | 1.9  | 2.2  | .9    |       |       |       |       |       |       | 5.7        | 7.4          |
| S                      | 1.8                  | 3.7  | 6.2  | 5.9   | .6    |       |       |       |       |       | 17.8       | 9.3          |
| SSW                    | .9                   | 1.0  | 3.6  | 3.6   | .1    |       |       |       |       |       | 9.1        | 9.8          |
| SW                     | .7                   | 1.1  | 2.0  | 2.3   |       |       |       |       |       |       | 5.8        | 9.3          |
| WSW                    | .6                   | 1.1  | 2.0  | 1.6   | .1    |       |       |       |       |       | 5.3        | 8.6          |
| W                      | .9                   | .9   | 1.4  | 1.1   | .1    | .1    |       |       |       |       | 4.6        | 8.0          |
| WNW                    | .8                   | .9   | 1.2  | .4    | .1    |       |       |       |       |       | 3.4        | 7.1          |
| W                      | .9                   | 1.0  | 2.1  | 1.2   |       |       |       |       |       |       | 5.2        | 7.9          |
| WNW                    | 1.2                  | 1.7  | 3.8  | 1.6   |       |       |       |       |       |       | 8.2        | 8.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 7.6        | ////         |
| TOTALS                 | 10.9                 | 20.7 | 33.7 | 26.3  | 1.6   | .1    |       |       |       |       | 100.0      | 7.9          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | .8                   | 1.9  | 7.1  | 5.8   | .5    | .1    |       |       |       |       | 16.4       | 10.1         |
| NNE                    | .3                   | 1.7  | 2.0  | 1.0   | .4    |       |       |       |       |       | 4.8        | 8.9          |
| NE                     | .7                   | .7   | .7   | .1    |       |       |       |       |       |       | 2.1        | 5.5          |
| ENE                    | .3                   | .6   | .3   | .1    |       |       |       |       |       |       | 1.3        | 5.8          |
| E                      | .9                   | 1.9  | .6   | .1    |       |       |       |       |       |       | 3.4        | 5.1          |
| ESE                    | .8                   | .9   | .2   | .1    |       |       |       |       |       |       | 2.0        | 4.3          |
| SE                     | .8                   | .4   | 1.1  | .2    |       |       |       |       |       |       | 2.6        | 6.6          |
| SSE                    | .8                   | 1.1  | 2.0  | 1.3   |       |       |       |       |       |       | 5.2        | 7.9          |
| S                      | .3                   | 3.6  | 7.0  | 6.9   | .6    |       |       |       |       |       | 18.3       | 10.0         |
| SSW                    | .4                   | 1.1  | 2.7  | 5.0   | .4    |       |       |       |       |       | 9.7        | 10.9         |
| SW                     | .7                   | .5   | 2.8  | 1.6   | .2    |       |       |       |       |       | 5.7        | 9.5          |
| WSW                    | .3                   | .6   | 1.7  | 1.6   |       |       |       |       |       |       | 4.1        | 9.4          |
| W                      | .5                   | 1.1  | 2.0  | 1.7   | .3    |       |       |       |       |       | 5.7        | 9.6          |
| WNW                    | .6                   | 1.2  | .8   | 1.7   | .3    | .1    |       |       |       |       | 4.3        | 8.6          |
| NW                     | 1.1                  | 1.2  | 1.7  | .8    | .1    |       |       |       |       |       | 4.9        | 7.1          |
| NNW                    | 1.0                  | 1.6  | 2.3  | 2.4   | .1    |       |       |       |       |       | 7.7        | 8.6          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CLM                    | //////////////////// |      |      |       |       |       |       |       |       |       | 1.8        | ////         |
| TOTALS                 | 10.3                 | 17.6 | 34.9 | 26.7  | 3.3   | .2    |       |       |       |       | 100.0      | 8.8          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.1                  | 2.9  | 6.9  | 5.0   | .3    | .1    |       |       |       |       |       | 16.2       | 9.5          |
| NNE                    | .8                   | 2.0  | 3.0  | 1.2   |       |       |       |       |       |       |       | 7.0        | 7.6          |
| NE                     | .6                   | 1.1  | .9   |       |       |       |       |       |       |       |       | 2.6        | 5.6          |
| ENE                    | .4                   | .4   | .3   | .3    |       |       |       |       |       |       |       | 1.6        | 6.7          |
| E                      | 1.3                  | 1.3  | 1.4  |       |       |       |       |       |       |       |       | 4.1        | 5.0          |
| ESE                    | .4                   | 1.0  | .3   |       |       |       |       |       |       |       |       | 1.8        | 4.8          |
| SE                     | .6                   | .9   | .7   |       |       |       |       |       |       |       |       | 2.0        | 5.2          |
| SSE                    | .7                   | 1.9  | 2.0  | 1.0   | .1    |       |       |       |       |       |       | 5.8        | 7.6          |
| S                      | 1.2                  | 4.6  | 9.6  | 5.4   |       |       |       |       |       |       |       | 20.9       | 8.6          |
| SSW                    | .7                   | 2.0  | 3.6  | 2.4   | .3    |       |       |       |       |       |       | 8.7        | 9.0          |
| SW                     | .2                   | 1.0  | 1.8  | 1.9   | .1    |       |       |       |       |       |       | 4.9        | 9.3          |
| WSW                    | .0                   | .9   | .8   | .9    |       |       |       |       |       |       |       | 2.7        | 8.5          |
| W                      | .6                   | 1.1  | 2.3  | 1.6   |       |       |       |       |       |       |       | 5.6        | 8.4          |
| WNW                    | .7                   | .8   | 1.2  | .3    |       |       |       |       |       |       |       | 2.6        | 6.1          |
| NW                     | .9                   | 1.2  | 1.1  | .8    |       |       |       |       |       |       |       | 3.9        | 7.4          |
| NNW                    | 1.2                  | 1.8  | 2.9  | 1.3   |       |       |       |       |       |       |       | 7.1        | 7.6          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 2.9        | ////         |
| TOTALS                 | 10.8                 | 24.6 | 38.7 | 20.1  | .9    | .1    |       |       |       |       |       | 100.0      | 7.9          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 2.0                  | 4.7  | 4.9  | 2.4   | .6    |       |       |       |       |       | 14.6       | 7.7          |
| NNE                    | 1.1                  | 2.2  | 1.8  | .7    | .1    |       |       |       |       |       | 5.9        | 6.8          |
| NE                     | 1.0                  | 1.3  | 1.0  |       |       |       |       |       |       |       | 3.3        | 4.9          |
| NNE                    | .2                   | .9   | .2   |       |       |       |       |       |       |       | 1.2        | 4.8          |
| E                      | .9                   | 1.2  | 1.6  |       |       |       |       |       |       |       | 3.7        | 5.5          |
| ESE                    | 1.1                  | .9   |      |       |       |       |       |       |       |       | 1.9        | 3.2          |
| SE                     | 1.0                  | 2.9  | .3   | .3    |       |       |       |       |       |       | 4.6        | 5.2          |
| SSE                    | 2.1                  | 2.7  | 1.9  | .4    |       |       |       |       |       |       | 7.0        | 5.4          |
| S                      | 5.3                  | 5.4  | 5.0  | 1.6   |       |       |       |       |       |       | 20.3       | 5.7          |
| SSW                    | 3.1                  | 1.7  | 1.4  | .4    |       |       |       |       |       |       | 6.7        | 5.0          |
| SW                     | 1.7                  | 1.1  | .4   |       |       |       |       |       |       |       | 3.2        | 3.8          |
| WSW                    | 1.0                  | .4   | .1   |       |       |       |       |       |       |       | 1.6        | 3.2          |
| W                      | 1.4                  | .4   | 1.0  | .3    |       |       |       |       |       |       | 3.2        | 5.7          |
| WNW                    | .4                   | .4   | .1   | .3    | .1    |       |       |       |       |       | 1.4        | 7.2          |
| NW                     | 1.0                  | .7   | .4   | .1    |       |       |       |       |       |       | 1.8        | 4.5          |
| NNW                    | .6                   | .7   | 1.3  | .1    |       |       |       |       |       |       | 2.7        | 6.8          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 17.0       | ////         |
| TOTALS                 | 24.0                 | 30.0 | 21.4 | 6.6   | .0    |       |       |       |       |       | 100.0      | 4.8          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.0                  | 2.1  | 3.7  | 2.9   | .3    |       |       |       |       |       |       | 10.0       | 8.8          |
| NNE                    | .7                   | 1.6  | 1.0  | .9    |       |       |       |       |       |       |       | 4.1        | 7.0          |
| NE                     | 1.2                  | .6   | .4   |       |       |       |       |       |       |       |       | 2.2        | 4.5          |
| NNE                    | .1                   | 1.1  | .3   |       |       |       |       |       |       |       |       | 1.6        | 5.5          |
| E                      | .3                   | 1.0  | .3   | .1    |       |       |       |       |       |       |       | 1.8        | 5.6          |
| ESE                    | .4                   | 1.0  | .3   | .2    |       |       |       |       |       |       |       | 2.0        | 5.9          |
| SE                     | 1.2                  | 1.1  | .6   | .1    |       |       |       |       |       |       |       | 3.0        | 4.8          |
| SSE                    | 2.9                  | 2.4  | 2.3  | .9    |       |       |       |       |       |       |       | 8.6        | 5.9          |
| S                      | 3.8                  | 4.6  | 6.4  | 1.2   | .7    |       |       |       |       |       |       | 20.6       | 8.1          |
| SSW                    | 3.9                  | 2.0  | 3.0  | 1.1   | .1    |       |       |       |       |       |       | 10.3       | 6.1          |
| SW                     | 1.1                  | .7   | .7   | .3    |       |       |       |       |       |       |       | 2.4        | 5.8          |
| WSW                    | 1.2                  | .6   | .7   | .2    |       |       |       |       |       |       |       | 2.7        | 5.6          |
| W                      | 1.4                  | 1.2  | .7   | .4    |       |       |       |       |       |       |       | 3.8        | 5.4          |
| WNW                    | .7                   | .7   | .3   | .7    |       |       |       |       |       |       |       | 2.3        | 7.3          |
| NW                     | .9                   | .8   | .3   | .2    |       |       |       |       |       |       |       | 2.2        | 5.1          |
| NNW                    | 1.0                  | .9   | .8   | .1    |       |       |       |       |       |       |       | 2.8        | 5.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 19.7       | ////         |
| TOTALS                 | 21.9                 | 22.1 | 21.9 | 17.4  | 1.0   |       |       |       |       |       |       | 100.0      | 5.4          |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | 1.2                                  | 2.5  | 4.9  | 3.7   | .4    | .7    |       |       |       |       |            | 12.8         | 9.0   |
| NNE                    | .6                                   | 1.2  | 1.3  | .8    | .1    |       |       |       |       |       |            | 4.0          | 7.7   |
| NE                     | .5                                   | .8   | .5   | .1    | .0    |       |       |       |       |       |            | 2.0          | 5.6   |
| ENE                    | .3                                   | .7   | .2   | .1    |       |       |       |       |       |       |            | 1.3          | 5.4   |
| E                      | .7                                   | .9   | .6   | .1    |       |       |       |       |       |       |            | 2.3          | 5.1   |
| ESE                    | .6                                   | .7   | .2   | .0    |       |       |       |       |       |       |            | 1.6          | 4.5   |
| SE                     | .7                                   | 1.1  | .7   | .2    |       |       |       |       |       |       |            | 2.7          | 5.7   |
| SSE                    | 1.6                                  | 1.9  | 1.9  | .5    | .1    |       |       |       |       |       |            | 6.2          | 6.6   |
| S                      | 3.1                                  | 4.6  | 6.1  | 4.7   | .5    | .0    |       |       |       |       |            | 19.0         | 8.1   |
| SSW                    | 2.0                                  | 1.6  | 2.8  | 2.3   | .2    |       |       |       |       |       |            | 9.1          | 7.7   |
| SW                     | 1.2                                  | 1.1  | 1.6  | 1.0   | .1    |       |       |       |       |       |            | 5.0          | 7.2   |
| WSW                    | .8                                   | .7   | 1.2  | .8    | .0    |       |       |       |       |       |            | 3.6          | 7.6   |
| W                      | 1.1                                  | 1.1  | 1.2  | .7    | .1    | .0    |       |       |       |       |            | 4.2          | 6.8   |
| WNW                    | .8                                   | 1.1  | 1.0  | .4    | .1    | .7    |       |       |       |       |            | 3.3          | 6.7   |
| NW                     | 1.0                                  | 1.1  | 1.1  | .5    | .0    |       |       |       |       |       |            | 3.6          | 6.3   |
| NNW                    | 1.1                                  | 1.4  | 2.1  | .9    | .0    |       |       |       |       |       |            | 5.4          | 7.2   |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 13.7       | ////         |       |
| TOTALS                 | 17.5                                 | 22.4 | 27.5 | 17.1  | 1.5   | .1    |       |       |       |       | 100.0      | 6.4          |       |

TOTAL NUMBER OF OBSERVATIONS: 7200



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0000-0200

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 2.0                                  | 3.0  | 4.6  | 4.3   | .4    |       |       |       |       |       | 14.4       | 8.6          |
| NNE                    | .4                                   | 1.1  | 2.0  | 1.2   | .1    |       |       |       |       |       | 4.8        | 8.6          |
| NE                     | .4                                   | .5   | .9   | .2    |       |       |       |       |       |       | 2.2        | 7.2          |
| ENE                    | .2                                   | .4   | .1   |       |       |       |       |       |       |       | .9         | 4.1          |
| E                      | .1                                   | .4   | .1   |       |       |       |       |       |       |       | .6         | 5.0          |
| ESE                    | .1                                   | .2   | .2   |       |       |       |       |       |       |       | .5         | 5.2          |
| SE                     | .4                                   | .6   | .1   | .2    |       |       |       |       |       |       | 1.3        | 4.8          |
| SSE                    | 1.0                                  | 1.9  | 1.3  | 1.1   | .1    |       |       |       |       |       | 5.4        | 7.2          |
| S                      | 3.2                                  | 5.1  | 4.3  | 3.9   | .4    |       |       |       |       |       | 17.0       | 7.5          |
| SSW                    | 1.7                                  | 2.8  | 3.1  | 1.2   | .5    |       |       |       |       |       | 9.5        | 7.6          |
| SW                     | 1.8                                  | 1.9  | 1.8  | 1.0   |       |       |       |       |       |       | 6.6        | 6.5          |
| WSW                    | 1.2                                  | .6   | 1.3  | .6    |       |       |       |       |       |       | 3.9        | 6.6          |
| W                      | 1.7                                  | 1.6  | 1.4  | .9    |       |       |       |       |       |       | 5.6        | 6.0          |
| WNW                    | 1.5                                  | 1.8  | .6   | .1    | .1    |       |       |       |       |       | 4.2        | 5.0          |
| NW                     | 1.0                                  | .6   | 1.1  |       |       |       |       |       |       |       | 2.7        | 5.5          |
| NNW                    | 1.3                                  | 2.2  | 1.5  | .3    |       |       |       |       |       |       | 5.4        | 5.7          |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       | 15.2       | ////         |
| TOTALS                 | 18.5                                 | 25.1 | 24.5 | 15.1  | 1.7   |       |       |       |       |       | 100.0      | 6.0          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLAR OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0300-0500

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.2                  | 3.0  | 4.6  | 4.6   | .5    |       |       |       |       |       | 14.2       | 9.2          |
| NNE                    | .9                   | .6   | 1.1  | 1.3   | .2    |       |       |       |       |       | 4.1        | 6.2          |
| NE                     | .3                   | .2   | .4   | .2    | .1    |       |       |       |       |       | 1.2        | 8.0          |
| ENE                    | .4                   | .6   | .1   |       |       |       |       |       |       |       | 1.2        | 4.2          |
| E                      | .6                   | .2   | .1   |       |       |       |       |       |       |       | 1.1        | 3.1          |
| ESE                    |                      | .1   |      |       |       |       |       |       |       |       | .1         | 5.0          |
| SE                     | .5                   | 1.0  |      |       |       |       |       |       |       |       | 1.5        | 3.5          |
| SSE                    | 1.6                  | .9   | 1.0  | .3    |       |       |       |       |       |       | 3.8        | 5.4          |
| S                      | 3.2                  | 3.0  | 4.2  | 7.4   | .6    |       |       |       |       |       | 14.7       | 7.9          |
| SSW                    | 2.8                  | 3.0  | 2.0  | 0.6   | .3    |       |       |       |       |       | 10.8       | 7.4          |
| SW                     | 1.6                  | 2.3  | 1.8  | 1.3   |       |       |       |       |       |       | 7.0        | 7.0          |
| WSW                    | 1.2                  | .3   | 1.2  | .8    |       |       |       |       |       |       | 3.4        | 7.0          |
| W                      | 2.0                  | 2.7  | 1.1  | .6    |       |       |       |       |       |       | 6.0        | 5.5          |
| WNW                    | .9                   | 2.9  | 1.2  | .1    | .1    |       |       |       |       |       | 5.2        | 5.5          |
| NW                     | 1.2                  | 1.7  | .4   | .2    |       |       |       |       |       |       | 3.7        | 5.2          |
| NNW                    | 1.4                  | 2.0  | 2.5  | .2    | .1    |       |       |       |       |       | 6.2        | 6.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 15.8       | ////         |
| TOTALS                 | 20.0                 | 24.4 | 21.7 | 16.0  | 2.0   |       |       |       |       |       | 100.0      | 6.0          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0600-0800

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 1.3                  | 3.2  | 5.6  | 5.2   | .3    |       |       |       |       |       | 16.1       | 8.9          |
| NNE                    | .4                   | .7   | .5   | 1.1   | .2    |       |       |       |       |       | 2.6        | 10.0         |
| NE                     | .3                   | .4   | .4   |       |       |       |       |       |       |       | 1.2        | 5.1          |
| ENE                    | .2                   | .2   | .2   |       |       |       |       |       |       |       | .6         | 5.8          |
| E                      | .6                   | .1   | .2   |       |       |       |       |       |       |       | 1.0        | 3.6          |
| ESE                    | .2                   |      | .1   |       |       |       |       |       |       |       | .3         | 4.3          |
| SE                     | .5                   | .4   | .7   | .1    |       |       |       |       |       |       | 1.4        | 5.4          |
| SSE                    | 1.4                  | 1.3  | 1.4  | .5    |       |       |       |       |       |       | 4.6        | 6.1          |
| S                      | 2.9                  | 3.8  | 3.3  | 2.9   | .5    |       |       |       |       |       | 13.4       | 7.7          |
| SSW                    | 1.2                  | 2.7  | 3.1  | 1.7   | .2    |       |       |       |       |       | 8.9        | 7.7          |
| SW                     | 1.7                  | 1.4  | 1.8  | 1.4   | .1    |       |       |       |       |       | 6.9        | 7.2          |
| WSW                    | 1.3                  | 1.1  | 1.6  | .5    |       |       |       |       |       |       | 4.5        | 6.5          |
| W                      | 1.5                  | 2.8  | 1.8  | .1    |       |       |       |       |       |       | 6.2        | 5.3          |
| WNW                    | .9                   | 3.1  | 1.2  | .2    |       |       |       |       |       |       | 5.4        | 5.5          |
| NW                     | 1.5                  | 1.9  | .9   | .1    |       |       |       |       |       |       | 4.4        | 4.8          |
| NNW                    | .5                   | 2.3  | 1.2  | .4    | .2    |       |       |       |       |       | 4.7        | 7.0          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 17.6       | ////         |
| TOTALS                 | 16.6                 | 26.7 | 23.9 | 14.3  | 1.6   |       |       |       |       |       | 100.0      | 5.9          |

TOTAL NUMBER OF OBSERVATIONS: 530

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0900-1100

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | 1.3                                  | 2.8  | 5.3  | 7.1   | 1.2   | .2    |       | 18.4       | 10.1         |
| NNE                    | .5                                   | .9   | 1.5  | 1.2   | .1    | .1    |       | 4.3        | 9.0          |
| NE                     | .6                                   | 1.0  | .1   | .2    |       |       |       | 1.9        | 4.7          |
| ENE                    | .2                                   | .9   | .2   |       |       |       |       | 1.3        | 5.6          |
| E                      | .9                                   | .6   | .1   |       |       |       |       | 1.6        | 3.7          |
| ESE                    | .6                                   | .4   | .2   |       |       |       |       | 1.3        | 4.8          |
| SE                     | .5                                   | .5   | 1.0  | .2    |       |       |       | 2.3        | 6.6          |
| SSE                    | 1.0                                  | 1.2  | 1.4  | 1.4   | .2    |       |       | 5.5        | 8.3          |
| S                      | .5                                   | 2.2  | 4.4  | 3.2   | 1.5   | .1    |       | 11.9       | 10.2         |
| SSW                    | .5                                   | 1.3  | 3.4  | 3.7   | .5    |       |       | 9.5        | 10.3         |
| SW                     | 1.3                                  | 1.0  | 1.4  | 2.6   | .1    |       |       | 6.3        | 8.8          |
| WSW                    | .8                                   | 1.1  | 2.5  | 1.7   | .1    |       |       | 6.1        | 8.9          |
| W                      | 1.2                                  | 1.5  | 2.3  | 1.1   | .1    | .1    |       | 6.2        | 7.5          |
| WNW                    | 1.4                                  | 1.2  | 1.3  | 1.1   |       |       |       | 4.9        | 6.9          |
| NW                     | 1.0                                  | 2.3  | 1.8  | .4    | .1    |       |       | 6.1        | 6.1          |
| NNW                    | .5                                   | 1.9  | 2.6  | 1.2   | .1    |       |       | 6.3        | 7.8          |
| VARIABLE               |                                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////////////////////// |      |      |       |       |       |       | 5.9        | ////         |
| TOTALS                 | 14.2                                 | 20.6 | 29.5 | 25.1  | 4.2   | .5    |       | 100.0      | 6.1          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 1200-1400

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 2.3                  | 3.0  | 6.9  | 6.7   | 1.1   | .1    |       |       |       |       | 20.0       | 9.6          |
| NNE                    | 1.0                  | 1.2  | 1.7  | 1.5   | .3    |       |       |       |       |       | 5.7        | 8.7          |
| NE                     | .4                   | 1.0  | .5   | .1    | .1    |       |       |       |       |       | 2.2        | 6.2          |
| ENE                    | .3                   | .9   | .8   |       |       |       |       |       |       |       | 2.4        | 5.1          |
| E                      | .5                   | 1.1  | .1   | .1    |       |       |       |       |       |       | 1.8        | 4.7          |
| ESE                    | .6                   | .3   | .1   |       |       |       |       |       |       |       | 1.1        | 3.3          |
| SE                     | .2                   | .9   | .6   |       |       |       |       |       |       |       | 1.6        | 5.7          |
| SSE                    | .2                   | .5   | 1.8  | 1.0   | .1    |       |       |       |       |       | 3.7        | 9.3          |
| S                      | .4                   | 1.2  | 5.1  | 4.7   | 1.2   |       |       |       |       |       | 12.6       | 10.8         |
| SSW                    | .3                   | .9   | 2.9  | 2.7   | .8    | .1    |       |       |       |       | 8.6        | 11.6         |
| SW                     | .6                   | .6   | 2.8  | 3.7   | .2    |       |       |       |       |       | 8.1        | 10.2         |
| WSW                    | .9                   | 1.2  | 1.8  | 7.0   | .1    |       |       |       |       |       | 7.0        | 9.2          |
| W                      | .9                   | .6   | 2.2  | 1.5   | .3    | .3    |       |       |       |       | 5.8        | 9.9          |
| WNW                    | .9                   | .5   | 1.7  | 1.3   | .1    | .1    | .1    |       |       |       | 4.7        | 9.6          |
| NW                     | .9                   | 1.1  | 2.2  | .8    | .1    | .1    |       |       |       |       | 5.1        | 7.9          |
| NNW                    | 1.2                  | 1.5  | 2.9  | 1.7   | .1    |       |       |       |       |       | 7.4        | 8.2          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 2.4        | ////         |
| TOTALS                 | 12.2                 | 16.3 | 34.1 | 29.7  | 4.5   | .8    | .1    |       |       |       | 100.0      | 9.1          |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POLARLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1500-1700

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 |            |              |
| N                      | 2.7                  | 5.7  | 6.7  | 4.4   | 1.1   | .1    |       | 20.6       | 8.3          |
| NNE                    | .9                   | 1.4  | 1.7  | 2.7   | .4    |       |       | 7.1        | 9.4          |
| NE                     | .8                   | 1.2  | 1.1  | .4    |       |       |       | 3.4        | 5.9          |
| ENE                    | .6                   | .3   | .5   | .3    | .1    |       |       | 1.9        | 7.1          |
| E                      | 1.3                  | .9   | .6   |       |       |       |       | 2.9        | 4.5          |
| ESE                    | .8                   | .4   | .2   | .1    |       |       |       | 1.5        | 4.4          |
| SE                     | .4                   | 1.1  | .5   | .3    |       |       |       | 2.4        | 6.2          |
| ESF                    | .8                   | 1.2  | 1.4  | 1.1   |       |       |       | 4.4        | 7.8          |
| S                      | .6                   | 2.6  | 5.6  | 4.7   | .3    |       |       | 13.9       | 9.6          |
| SSW                    | .5                   | 1.5  | 4.1  | 2.5   | .3    |       |       | 8.9        | 9.3          |
| SW                     | .6                   | 1.5  | 3.8  | 1.4   | .2    |       |       | 7.5        | 8.5          |
| WSW                    | .4                   | 1.0  | 1.6  | 1.5   | .1    |       |       | 4.6        | 8.8          |
| W                      | .6                   | .2   | 1.7  | .5    |       |       |       | 3.1        | 8.1          |
| WNW                    | .3                   | .9   | .9   | 1.5   | .1    | .1    |       | 3.8        | 9.4          |
| NW                     | .6                   | 1.5  | 1.4  | .4    | .1    |       |       | 4.5        | 7.3          |
| NNW                    | 1.1                  | 1.5  | 2.7  | 1.2   |       |       |       | 6.5        | 7.7          |
| VARIABLE               |                      |      |      |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       | 3.0        | ////         |
| TOTALS                 | 12.2                 | 22.9 | 34.5 | 23.4  | 2.9   | .7    |       | 100.0      | 8.0          |

TOTAL NUMBER OF OBSERVATIONS: 933

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1800-2000

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 2.4                  | 4.9  | 5.7  | 2.9   | .3    |       |       |       |       |       |       | 16.2       | 7.5          |
| NNE                    | .3                   | 1.8  | 2.6  | 2.9   | .2    |       |       |       |       |       |       | 7.8        | 9.2          |
| NE                     | .9                   | .3   | .6   | .5    | .1    |       |       |       |       |       |       | 2.5        | 7.6          |
| ENE                    | .5                   | .9   | .2   | .1    |       |       |       |       |       |       |       | 1.7        | 5.1          |
| E                      | 1.4                  | 1.2  | .1   | .1    |       |       |       |       |       |       |       | 2.8        | 4.0          |
| ESE                    | .6                   | .5   | .1   |       |       |       |       |       |       |       |       | 1.3        | 3.8          |
| SE                     | .8                   | 1.0  | 1.1  | .4    |       |       |       |       |       |       |       | 3.2        | 6.8          |
| ESE                    | 1.9                  | 2.9  | 1.4  | .4    |       |       |       |       |       |       |       | 7.1        | 5.8          |
| S                      | 2.7                  | 4.7  | 2.8  | 2.6   | .2    |       |       |       |       |       |       | 13.0       | 7.0          |
| SSW                    | 4.0                  | 3.1  | 1.3  | .4    |       |       |       |       |       |       |       | 8.8        | 4.5          |
| SW                     | 2.0                  | 2.6  | .2   | .1    |       |       |       |       |       |       |       | 4.9        | 4.3          |
| WSW                    | 1.5                  | 1.4  | .5   | .1    |       |       |       |       |       |       |       | 3.5        | 4.1          |
| W                      | .9                   | 1.1  | .3   | .4    |       |       |       |       |       |       |       | 2.7        | 5.7          |
| WNW                    | .9                   | .6   | .2   | .1    | .1    |       |       |       |       |       |       | 1.9        | 4.7          |
| NW                     | .8                   | .4   | .1   | .1    |       |       |       |       |       |       |       | 1.7        | 4.4          |
| NNW                    | 1.8                  | 1.3  | .8   | .1    |       |       |       |       |       |       |       | 4.0        | 4.5          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 16.7       | ////         |
| TOTALS                 | 23.7                 | 29.1 | 18.1 | 11.8  | 1.0   |       |       |       |       |       |       | 100.0      | 5.2          |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(1ST): 2100-2300

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 |            |              |
| N                      | 1.2                  | 3.1  | 6.0  | 2.6   | .2    |       |       |       |       |       |       | 13.2       | 8.1          |
| NNE                    | 1.1                  | 2.4  | 2.0  | 2.6   | .2    |       |       |       |       |       |       | 7.5        | 9.5          |
| NE                     | .4                   | .5   | 1.0  | .4    |       |       |       |       |       |       |       | 2.4        | 7.0          |
| NNE                    | .2                   | .5   | .1   | .2    |       |       |       |       |       |       |       | 1.1        | 5.6          |
| E                      | .6                   | 1.0  | .2   |       |       |       |       |       |       |       |       | 1.8        | 4.3          |
| ESE                    | .5                   | .3   |      |       |       |       |       |       |       |       |       | .9         | 3.5          |
| SE                     | .3                   | 1.3  | .3   |       |       |       |       |       |       |       |       | 1.9        | 5.1          |
| SSE                    | 1.1                  | 2.7  | 1.6  | .4    | .1    |       |       |       |       |       |       | 6.3        | 6.7          |
| S                      | 3.7                  | 3.9  | 3.8  | 3.7   | .6    | .1    |       |       |       |       |       | 15.4       | 8.0          |
| SSW                    | 3.4                  | 2.9  | 2.5  | 1.4   | .4    | .1    |       |       |       |       |       | 10.8       | 6.8          |
| SW                     | 3.7                  | 1.9  | 1.0  | .8    |       |       |       |       |       |       |       | 7.0        | 4.9          |
| WSW                    | 1.2                  | 1.6  | .3   | .1    |       |       |       |       |       |       |       | 3.2        | 4.5          |
| W                      | 1.7                  | 2.2  | 1.1  | .3    |       |       |       |       |       |       |       | 4.8        | 5.6          |
| WNW                    | .5                   | .8   | .4   | .3    |       |       |       |       |       |       |       | 2.0        | 6.2          |
| W                      | 1.1                  | 1.1  | .3   | .1    |       |       |       |       |       |       |       | 2.6        | 4.5          |
| WNW                    | .9                   | 2.0  | .3   |       |       |       |       |       |       |       |       | 3.2        | 4.4          |
| VERTICAL               |                      |      |      |       |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       |       | 15.8       | ////         |
| TOTALS                 | 20.6                 | 27.2 | 21.0 | 13.5  | 1.6   | .2    |       |       |       |       |       | 100.0      | 5.7          |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(LST): ALL

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |       |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
|                        | 1-3                                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 |            |              | GE 56 |
| N                      | 1.1                                  | 2.2  | 3.0  | 2.5   | .4    | .1    |       |       |       |       |            | 9.2          | 8.8   |
| NNE                    | .5                                   | 1.1  | 1.3  | .9    | .1    | .0    |       |       |       |       |            | 4.0          | 8.1   |
| N-E                    | .6                                   | .9   | .9   | .3    | .0    |       | .0    |       |       |       |            | 2.7          | 6.5   |
| ENE                    | .5                                   | .3   | .5   | .1    | .0    | .0    |       |       |       |       |            | 2.0          | 5.7   |
| E                      | .0                                   | 1.3  | .8   | .2    | .0    |       |       |       |       |       |            | 3.1          | 5.4   |
| ESE                    | .6                                   | 1.1  | .9   | .2    | .0    |       |       |       |       |       |            | 2.9          | 6.1   |
| SE                     | .4                                   | 1.9  | 2.0  | .8    | .1    | .0    |       |       |       |       |            | 5.5          | 7.1   |
| SSE                    | 1.6                                  | 3.3  | 4.0  | 2.3   | .3    | .0    |       |       |       |       |            | 11.5         | 7.9   |
| S                      | 2.9                                  | 5.3  | 7.4  | 5.2   | .7    | .1    | .0    |       |       |       |            | 21.7         | 8.4   |
| SSW                    | 1.6                                  | 2.0  | 2.9  | 1.9   | .2    | .0    |       |       |       |       |            | 9.6          | 7.9   |
| SW                     | 1.0                                  | 1.2  | 1.2  | .8    | .1    | .0    | .0    |       |       |       |            | 4.3          | 7.1   |
| WSW                    | .6                                   | .7   | .8   | .5    | .0    | .0    | .0    |       |       |       |            | 2.6          | 7.3   |
| W                      | .3                                   | 1.0  | .9   | .5    | .1    | .1    | .0    | .0    |       |       |            | 3.4          | 7.5   |
| WNW                    | .6                                   | .7   | .6   | .3    | .1    | .0    | .0    | .0    |       |       |            | 2.3          | 6.9   |
| NW                     | .6                                   | .8   | .7   | .3    | .0    | .0    | .0    | .0    |       |       |            | 2.5          | 6.6   |
| NNW                    | .7                                   | 1.0  | 1.0  | .6    | .1    | .0    | .0    | .0    |       |       |            | 3.4          | 7.4   |
| VARIABLE               |                                      |      |      |       |       |       |       |       |       |       |            |              |       |
| CELM                   | //////////////////////////////////// |      |      |       |       |       |       |       |       |       |            | 10.3         | ////  |
| TOTALS                 | 15.5                                 | 25.0 | 28.9 | 17.6  | 2.3   | .4    | .0    | .0    |       |       |            | 100.0        | 6.9   |

TOTAL NUMBER OF OBSERVATIONS: 87642

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(1ST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE

AND/OR  
CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |      |       |       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
|                        | 1-3                  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56      |              |
| N                      | 2.2                  | 5.9  | 12.3 | 9.4   | .8    | .1    |       |       |       |       | 29.8       | 9.1          |
| NNE                    | 1.0                  | 3.3  | 3.8  | 0.0   | .2    |       |       |       |       |       | 10.3       | 7.9          |
| NE                     | 1.1                  | 2.9  | 2.4  | .6    | .0    |       |       |       |       |       | 6.9        | 6.4          |
| ENE                    | .8                   | 1.6  | 1.2  | .2    |       | .0    |       |       |       |       | 3.8        | 5.9          |
| E                      | 1.2                  | 0.2  | 1.3  | .3    |       |       |       |       |       |       | 5.0        | 5.7          |
| ESE                    | .7                   | 1.4  | 1.1  | .3    |       |       |       |       |       |       | 3.5        | 6.2          |
| SE                     | .7                   | 1.0  | 1.5  | .6    | .1    | .0    |       |       |       |       | 4.1        | 7.3          |
| SSE                    | .6                   | 1.7  | 2.3  | 1.7   | .2    |       |       |       |       |       | 6.6        | 8.8          |
| S                      | 1.0                  | 1.7  | 2.4  | 1.3   | .0    | .0    | .0    |       |       |       | 6.7        | 8.0          |
| SSW                    | .4                   | .6   | .5   | .3    | .0    |       |       |       |       |       | 1.8        | 7.1          |
| SW                     | .3                   | .3   | .1   | .0    |       |       |       |       |       |       | .7         | 4.4          |
| WSW                    | .3                   | .1   | .0   | .0    |       |       | .0    |       |       |       | .5         | 5.0          |
| W                      | .3                   | .3   | .2   | .3    | .2    | .2    | .0    |       |       |       | 1.5        | 10.8         |
| WNW                    | .3                   | .5   | .3   | .2    | .1    | .1    |       |       |       |       | 1.4        | 7.8          |
| NW                     | .4                   | .9   | 1.0  | .4    | .0    |       |       |       |       |       | 2.7        | 7.2          |
| NNW                    | .9                   | 1.7  | 2.7  | 1.6   | .1    | .0    | .0    |       |       |       | 6.9        | 8.2          |
| VARIABLE               |                      |      |      |       |       |       |       |       |       |       |            |              |
| CALM                   | //////////////////// |      |      |       |       |       |       |       |       |       | 7.7        | ////         |
| TOTALS                 | 12.2                 | 26.3 | 33.2 | 18.2  | 2.0   | .4    | .1    |       |       |       | 100.0      | 7.3          |

TOTAL NUMBER OF OBSERVATIONS: 6584

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## CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### NOTES:

BEGINNING IN 1969, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

|           |   |       |
|-----------|---|-------|
| CLEAR     | - | 0/10  |
| SCATTERED | - | 3/10  |
| BROKEN    | - | 4/10  |
| OVERCAST  | - | 10/10 |
| DISCOURD  | - | 10/10 |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 0000-0200

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 1                        | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 1    | 63.5                        | 64.0 | 64.5 | 64.5 | 64.5 | 64.5     | 64.5 | 64.5     | 64.5     | 64.5 | 64.5   | 64.5   | 64.5   | 64.5    | 64.5   | 64.5  |
| GE 20000 | 1    | 69.9                        | 70.3 | 70.9 | 70.9 | 70.9 | 70.9     | 70.9 | 70.9     | 70.9     | 70.9 | 70.9   | 70.9   | 70.9   | 70.9    | 70.9   | 70.9  |
| GE 18000 | 1    | 69.9                        | 70.3 | 70.9 | 70.9 | 70.9 | 70.9     | 70.9 | 70.9     | 70.9     | 70.9 | 70.9   | 70.9   | 70.9   | 70.9    | 70.9   | 70.9  |
| GE 16000 | 1    | 69.9                        | 70.3 | 70.9 | 70.9 | 70.9 | 70.9     | 70.9 | 70.9     | 70.9     | 70.9 | 70.9   | 70.9   | 70.9   | 70.9    | 70.9   | 70.9  |
| GE 14000 | 1    | 70.5                        | 70.4 | 71.0 | 71.0 | 71.0 | 71.0     | 71.0 | 71.0     | 71.0     | 71.0 | 71.0   | 71.0   | 71.0   | 71.0    | 71.0   | 71.0  |
| GE 12000 | 1    | 70.9                        | 71.3 | 71.8 | 71.8 | 71.8 | 71.8     | 71.8 | 71.8     | 71.8     | 71.8 | 71.8   | 71.8   | 71.8   | 71.8    | 71.8   | 71.8  |
| GE 10000 | 1    | 72.6                        | 73.0 | 73.5 | 73.5 | 73.5 | 73.5     | 73.5 | 73.5     | 73.5     | 73.5 | 73.5   | 73.5   | 73.5   | 73.5    | 73.5   | 73.5  |
| GE 9000  | 1    | 72.6                        | 73.0 | 73.5 | 73.5 | 73.5 | 73.5     | 73.5 | 73.5     | 73.5     | 73.5 | 73.5   | 73.5   | 73.5   | 73.5    | 73.5   | 73.5  |
| GE 8000  | 1    | 73.8                        | 74.4 | 74.9 | 74.9 | 74.9 | 74.9     | 74.9 | 74.9     | 74.9     | 74.9 | 74.9   | 74.9   | 74.9   | 74.9    | 74.9   | 74.9  |
| GE 7000  | 1    | 74.7                        | 75.4 | 75.9 | 75.9 | 75.9 | 75.9     | 75.9 | 75.9     | 75.9     | 75.9 | 75.9   | 75.9   | 75.9   | 75.9    | 75.9   | 75.9  |
| GE 6000  | 1    | 74.8                        | 75.6 | 76.1 | 76.1 | 76.1 | 76.1     | 76.1 | 76.1     | 76.1     | 76.1 | 76.1   | 76.1   | 76.1   | 76.1    | 76.1   | 76.1  |
| GE 5000  | 1    | 75.4                        | 76.2 | 77.1 | 77.1 | 77.1 | 77.1     | 77.1 | 77.1     | 77.1     | 77.1 | 77.1   | 77.1   | 77.1   | 77.1    | 77.1   | 77.1  |
| GE 4500  | 1    | 75.4                        | 76.5 | 77.5 | 77.6 | 77.6 | 77.6     | 77.6 | 77.6     | 77.6     | 77.6 | 77.6   | 77.6   | 77.6   | 77.6    | 77.6   | 77.6  |
| GE 4000  | 1    | 76.3                        | 77.8 | 78.9 | 79.0 | 79.0 | 79.0     | 79.0 | 79.0     | 79.0     | 79.0 | 79.0   | 79.0   | 79.0   | 79.0    | 79.0   | 79.0  |
| GE 3500  | 1    | 76.6                        | 78.5 | 79.6 | 79.7 | 79.7 | 79.7     | 79.7 | 79.7     | 79.7     | 79.7 | 79.7   | 79.7   | 79.7   | 79.7    | 79.7   | 79.7  |
| GE 3000  | 1    | 77.5                        | 80.3 | 81.4 | 81.5 | 81.5 | 81.5     | 81.5 | 81.5     | 81.5     | 81.5 | 81.5   | 81.5   | 81.5   | 81.5    | 81.5   | 81.5  |
| GE 2500  | 1    | 78.2                        | 81.0 | 82.3 | 82.5 | 82.5 | 82.5     | 82.5 | 82.5     | 82.5     | 82.5 | 82.5   | 82.5   | 82.5   | 82.5    | 82.5   | 82.5  |
| GE 2000  | 1    | 79.2                        | 82.7 | 84.1 | 84.3 | 84.3 | 84.3     | 84.3 | 84.3     | 84.3     | 84.3 | 84.3   | 84.3   | 84.3   | 84.3    | 84.3   | 84.3  |
| GE 1800  | 1    | 79.2                        | 82.8 | 84.2 | 84.4 | 84.4 | 84.4     | 84.4 | 84.4     | 84.4     | 84.4 | 84.4   | 84.4   | 84.4   | 84.4    | 84.4   | 84.4  |
| GE 1600  | 1    | 80.3                        | 84.2 | 85.6 | 85.8 | 85.8 | 85.8     | 85.8 | 85.8     | 85.8     | 85.8 | 85.8   | 85.8   | 85.8   | 85.8    | 85.8   | 85.8  |
| GE 1400  | 1    | 81.6                        | 85.9 | 87.3 | 87.5 | 87.5 | 87.5     | 87.5 | 87.5     | 87.5     | 87.5 | 87.5   | 87.5   | 87.5   | 87.5    | 87.5   | 87.5  |
| GE 1000  | 1    | 82.3                        | 87.2 | 88.6 | 89.0 | 89.0 | 89.0     | 89.1 | 89.2     | 89.2     | 89.2 | 89.2   | 89.2   | 89.2   | 89.2    | 89.2   | 89.2  |
| GE 900   | 1    | 82.8                        | 88.4 | 89.8 | 90.3 | 90.3 | 90.3     | 90.4 | 90.5     | 90.5     | 90.5 | 90.5   | 90.5   | 90.5   | 90.5    | 90.5   | 90.5  |
| GE 800   | 1    | 82.9                        | 88.9 | 90.3 | 91.0 | 91.0 | 91.0     | 91.1 | 91.2     | 91.2     | 91.2 | 91.2   | 91.2   | 91.2   | 91.2    | 91.2   | 91.2  |
| GE 700   | 1    | 83.3                        | 89.4 | 90.9 | 91.5 | 91.5 | 91.5     | 91.6 | 91.8     | 91.8     | 91.8 | 91.8   | 91.8   | 91.8   | 91.8    | 91.8   | 91.8  |
| GE 600   | 1    | 83.3                        | 89.8 | 91.5 | 92.4 | 92.5 | 92.5     | 92.6 | 93.1     | 93.1     | 93.1 | 93.1   | 93.1   | 93.1   | 93.1    | 93.1   | 93.1  |
| GE 500   | 1    | 83.9                        | 90.4 | 92.3 | 93.1 | 94.0 | 94.0     | 94.6 | 95.7     | 95.7     | 95.8 | 95.8   | 95.8   | 95.8   | 95.8    | 95.8   | 95.8  |
| GE 400   | 1    | 83.9                        | 91.0 | 92.8 | 93.9 | 95.2 | 95.3     | 96.1 | 97.2     | 97.2     | 97.3 | 97.3   | 97.3   | 97.3   | 97.3    | 97.3   | 97.3  |
| GE 300   | 1    | 83.9                        | 91.2 | 93.1 | 94.2 | 95.7 | 95.9     | 96.8 | 98.1     | 98.2     | 98.3 | 98.3   | 98.3   | 98.4   | 98.4    | 98.4   | 98.4  |
| GE 200   | 1    | 83.9                        | 91.2 | 93.2 | 94.3 | 95.9 | 96.1     | 97.1 | 98.6     | 98.7     | 98.9 | 99.0   | 99.0   | 99.2   | 99.2    | 99.2   | 99.2  |
| GE 100   | 1    | 83.9                        | 91.2 | 93.2 | 94.3 | 95.9 | 96.1     | 97.1 | 98.6     | 98.7     | 98.9 | 99.2   | 99.2   | 99.6   | 99.7    | 99.7   | 99.7  |
| GE 0     | 1    | 83.9                        | 91.2 | 93.2 | 94.3 | 95.9 | 96.1     | 97.1 | 98.6     | 98.7     | 98.9 | 99.2   | 99.2   | 99.6   | 99.7    | 99.7   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722565 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0300-0500

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| IN       | FEET | 1                           | 1/2  | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| FEET     |      | 1                           | 1/2  | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| NO CEIL  | 59.3 | 59.9                        | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| GE 20000 | 65.8 | 67.4                        | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 18000 | 65.8 | 67.4                        | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 16000 | 65.9 | 67.5                        | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 14000 | 66.2 | 67.8                        | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| GE 12000 | 66.7 | 68.3                        | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 10000 | 68.0 | 69.6                        | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 9000  | 69.1 | 69.7                        | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 8000  | 70.0 | 71.6                        | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 7000  | 70.9 | 72.5                        | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 6000  | 71.2 | 72.8                        | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 5000  | 71.9 | 73.5                        | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 4500  | 72.3 | 74.0                        | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 4000  | 73.2 | 74.9                        | 75.6 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 3500  | 73.9 | 75.8                        | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 3000  | 74.7 | 77.2                        | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 2500  | 76.3 | 79.2                        | 80.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 2000  | 77.7 | 81.1                        | 82.0 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 1500  | 77.8 | 81.4                        | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 1000  | 79.2 | 82.5                        | 84.7 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 800   | 80.2 | 85.2                        | 86.3 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 600   | 81.1 | 86.3                        | 87.5 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 400   | 81.7 | 87.3                        | 88.7 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 200   | 81.7 | 88.1                        | 89.8 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 100   | 81.8 | 88.4                        | 90.1 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 50    | 81.9 | 89.0                        | 90.9 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 20    | 82.0 | 89.6                        | 91.7 | 92.7 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 10    | 82.2 | 89.7                        | 92.3 | 93.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 5     | 82.2 | 89.8                        | 92.4 | 93.7 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 2     | 82.2 | 89.8                        | 92.4 | 93.7 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 1     | 82.2 | 89.8                        | 92.4 | 93.7 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 0     | 82.2 | 89.8                        | 92.4 | 93.7 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0600-0800

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |       |      |      |       |      |      |      |      |      |      |      |
|----------|------|-----------------------------|------|------|------|------|-------|------|------|-------|------|------|------|------|------|------|------|
| IN       | FEET | GE                          | GE   | GE   | GE   | GE   | GE    | GE   | GE   | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE   |
| 1        | 10   | 6                           | 5    | 4    | 3    | 2    | 1 1/2 | 1    | 1/2  | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0    |
| NO CEIL  | 55.1 | 57.1                        | 57.1 | 57.1 | 57.1 | 57.1 | 57.1  | 57.1 | 57.1 | 57.1  | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| GE 20000 | 62.3 | 64.7                        | 64.9 | 64.9 | 64.9 | 64.9 | 64.9  | 64.9 | 64.9 | 64.9  | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 18000 | 62.3 | 64.7                        | 64.9 | 64.9 | 64.9 | 64.9 | 64.9  | 64.9 | 64.9 | 64.9  | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 16000 | 62.4 | 64.8                        | 65.1 | 65.1 | 65.1 | 65.1 | 65.1  | 65.1 | 65.1 | 65.1  | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 14000 | 63.5 | 65.0                        | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2 | 66.2  | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 12000 | 64.8 | 67.4                        | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 | 67.6  | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| GE 10000 | 65.0 | 68.3                        | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5 | 68.5 | 68.5  | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 9000  | 65.8 | 68.6                        | 68.8 | 68.8 | 68.8 | 68.8 | 68.8  | 68.8 | 68.8 | 68.8  | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 8000  | 67.0 | 69.9                        | 70.1 | 70.1 | 70.2 | 70.2 | 70.2  | 70.2 | 70.2 | 70.2  | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 7000  | 69.0 | 70.9                        | 71.1 | 71.1 | 71.2 | 71.2 | 71.2  | 71.2 | 71.2 | 71.2  | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 6000  | 69.1 | 72.0                        | 72.3 | 72.3 | 72.4 | 72.4 | 72.4  | 72.4 | 72.4 | 72.4  | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 5000  | 70.1 | 72.4                        | 73.8 | 73.9 | 74.0 | 74.0 | 74.0  | 74.0 | 74.0 | 74.0  | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 4500  | 70.7 | 74.1                        | 74.4 | 74.5 | 74.6 | 74.6 | 74.6  | 74.6 | 74.6 | 74.6  | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 4000  | 71.3 | 74.6                        | 75.2 | 75.3 | 75.4 | 75.4 | 75.4  | 75.4 | 75.4 | 75.4  | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 3500  | 72.0 | 75.6                        | 76.1 | 76.2 | 76.3 | 76.3 | 76.3  | 76.3 | 76.3 | 76.3  | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 3000  | 73.5 | 77.7                        | 78.1 | 78.2 | 78.3 | 78.3 | 78.3  | 78.3 | 78.3 | 78.3  | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 2500  | 74.2 | 78.7                        | 79.1 | 79.2 | 79.4 | 79.4 | 79.4  | 79.5 | 79.5 | 79.5  | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 2000  | 75.7 | 80.4                        | 80.9 | 81.0 | 81.2 | 81.2 | 81.2  | 81.3 | 81.3 | 81.3  | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 1800  | 76.0 | 81.2                        | 81.7 | 81.9 | 82.2 | 82.2 | 82.2  | 82.3 | 82.3 | 82.3  | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 1500  | 76.5 | 82.2                        | 82.7 | 83.1 | 83.3 | 83.3 | 83.3  | 83.4 | 83.4 | 83.4  | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 1200  | 77.0 | 83.4                        | 84.4 | 85.2 | 85.4 | 85.4 | 85.4  | 85.5 | 85.5 | 85.5  | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 1000  | 78.2 | 84.9                        | 86.0 | 86.8 | 87.0 | 87.0 | 87.1  | 87.2 | 87.2 | 87.2  | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 900   | 78.4 | 86.1                        | 87.2 | 88.1 | 88.3 | 88.3 | 88.3  | 88.4 | 88.4 | 88.4  | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 800   | 78.8 | 87.2                        | 88.3 | 89.4 | 89.6 | 89.6 | 89.7  | 89.8 | 89.8 | 89.8  | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 700   | 78.8 | 87.4                        | 88.6 | 89.9 | 90.2 | 90.2 | 90.3  | 90.4 | 90.4 | 90.4  | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 600   | 79.1 | 88.2                        | 89.5 | 91.1 | 91.6 | 91.7 | 92.0  | 92.6 | 92.6 | 92.6  | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 500   | 79.1 | 88.9                        | 90.3 | 92.4 | 93.1 | 93.2 | 93.5  | 94.1 | 94.1 | 94.1  | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 400   | 79.1 | 89.0                        | 90.5 | 92.8 | 93.8 | 94.0 | 94.4  | 95.1 | 95.1 | 95.1  | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 300   | 79.1 | 89.0                        | 90.5 | 92.8 | 94.2 | 94.5 | 95.2  | 96.2 | 96.2 | 96.2  | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 200   | 79.1 | 89.0                        | 90.5 | 92.8 | 94.3 | 94.6 | 95.3  | 96.7 | 97.0 | 97.0  | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 100   | 79.1 | 89.0                        | 90.5 | 92.8 | 94.3 | 94.6 | 95.3  | 96.7 | 97.0 | 97.0  | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 0     | 79.1 | 89.0                        | 90.5 | 92.8 | 94.3 | 94.6 | 95.3  | 96.7 | 97.0 | 97.0  | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 0900-1100

| CEILING         |         | VISIBILITY IN STATUTE MILES |             |             |             |         |             |         |             |         |             |         |             |         |             |         |  |
|-----------------|---------|-----------------------------|-------------|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|--|
| IN<br>FEET      | GE<br>1 | GE<br>1 1/8                 | GE<br>1 1/4 | GE<br>1 1/2 | GE<br>1 3/4 | GE<br>2 | GE<br>2 1/2 | GE<br>3 | GE<br>3 1/2 | GE<br>4 | GE<br>4 1/2 | GE<br>5 | GE<br>5 1/2 | GE<br>6 | GE<br>6 1/2 | GE<br>7 |  |
| NO CEIL         | 52.7    | 54.2                        | 54.2        | 54.3        | 54.3        | 54.3    | 54.3        | 54.3    | 54.3        | 54.3    | 54.3        | 54.3    | 54.3        | 54.3    | 54.4        | 54.4    |  |
| GE 20000        | 61.3    | 61.1                        | 61.1        | 61.2        | 61.2        | 61.2    | 61.2        | 61.2    | 61.2        | 61.2    | 61.2        | 61.2    | 61.2        | 61.2    | 61.3        | 61.3    |  |
| GE 18000        | 61.6    | 61.3                        | 61.3        | 61.4        | 61.4        | 61.4    | 61.4        | 61.4    | 61.4        | 61.4    | 61.4        | 61.4    | 61.4        | 61.4    | 61.5        | 61.5    |  |
| GE 16000        | 61.6    | 61.5                        | 61.5        | 61.7        | 61.7        | 61.7    | 61.7        | 61.7    | 61.7        | 61.7    | 61.7        | 61.7    | 61.7        | 61.7    | 61.8        | 61.8    |  |
| GE 14000        | 61.3    | 61.3                        | 61.3        | 61.4        | 61.4        | 61.4    | 61.4        | 61.4    | 61.4        | 61.4    | 61.4        | 61.4    | 61.4        | 61.4    | 61.5        | 61.5    |  |
| GE 12000        | 61.6    | 61.6                        | 61.6        | 61.7        | 61.7        | 61.7    | 61.7        | 61.7    | 61.7        | 61.7    | 61.7        | 61.7    | 61.7        | 61.7    | 61.8        | 61.8    |  |
| GE 10000        | 66.1    | 66.1                        | 66.1        | 66.2        | 66.2        | 66.2    | 66.2        | 66.2    | 66.2        | 66.2    | 66.2        | 66.2    | 66.2        | 66.2    | 66.3        | 66.3    |  |
| GE 9000         | 66.3    | 66.3                        | 66.3        | 66.4        | 66.4        | 66.4    | 66.4        | 66.4    | 66.4        | 66.4    | 66.4        | 66.4    | 66.4        | 66.4    | 66.5        | 66.5    |  |
| GE 8000         | 68.1    | 70.1                        | 70.1        | 70.2        | 70.2        | 70.2    | 70.2        | 70.2    | 70.2        | 70.2    | 70.2        | 70.2    | 70.2        | 70.2    | 70.3        | 70.3    |  |
| GE 7000         | 69.6    | 71.8                        | 71.8        | 71.9        | 71.9        | 71.9    | 71.9        | 71.9    | 71.9        | 71.9    | 71.9        | 71.9    | 71.9        | 71.9    | 72.0        | 72.0    |  |
| GE 6000         | 70.9    | 72.9                        | 72.9        | 73.0        | 73.0        | 73.0    | 73.0        | 73.0    | 73.0        | 73.0    | 73.0        | 73.0    | 73.0        | 73.0    | 73.1        | 73.1    |  |
| GE 5000         | 71.4    | 73.7                        | 73.8        | 73.9        | 73.9        | 73.9    | 73.9        | 73.9    | 73.9        | 73.9    | 73.9        | 73.9    | 73.9        | 73.9    | 74.0        | 74.0    |  |
| GE 4000         | 71.5    | 73.6                        | 73.9        | 74.0        | 74.0        | 74.0    | 74.0        | 74.0    | 74.0        | 74.0    | 74.0        | 74.0    | 74.0        | 74.0    | 74.1        | 74.1    |  |
| GE 3000         | 72.0    | 74.4                        | 74.6        | 74.7        | 74.7        | 74.7    | 74.7        | 74.7    | 74.7        | 74.7    | 74.7        | 74.7    | 74.7        | 74.7    | 74.8        | 74.8    |  |
| GE 2000         | 72.7    | 75.2                        | 75.4        | 75.5        | 75.5        | 75.5    | 75.5        | 75.5    | 75.5        | 75.5    | 75.5        | 75.5    | 75.5        | 75.5    | 75.6        | 75.6    |  |
| GE 1000         | 73.9    | 76.2                        | 76.6        | 76.7        | 76.7        | 76.7    | 76.7        | 76.7    | 76.7        | 76.7    | 76.7        | 76.7    | 76.7        | 76.7    | 76.8        | 76.8    |  |
| GE 25000        | 74.5    | 77.3                        | 77.6        | 77.7        | 77.7        | 77.7    | 77.7        | 77.7    | 77.7        | 77.7    | 77.7        | 77.7    | 77.7        | 77.7    | 77.8        | 77.8    |  |
| GE 20000        | 75.6    | 78.7                        | 79.1        | 79.4        | 79.4        | 79.4    | 79.4        | 79.4    | 79.4        | 79.4    | 79.4        | 79.4    | 79.4        | 79.4    | 79.5        | 79.5    |  |
| GE 18000        | 76.0    | 79.2                        | 79.3        | 80.2        | 80.2        | 80.2    | 80.2        | 80.2    | 80.2        | 80.2    | 80.2        | 80.2    | 80.2        | 80.2    | 80.3        | 80.3    |  |
| GE 16000        | 77.0    | 80.5                        | 81.4        | 81.9        | 82.3        | 82.3    | 82.3        | 82.3    | 82.3        | 82.3    | 82.3        | 82.3    | 82.3        | 82.3    | 82.4        | 82.4    |  |
| GE 14000        | 78.2    | 82.3                        | 83.2        | 83.9        | 84.2        | 84.2    | 84.2        | 84.2    | 84.2        | 84.2    | 84.2        | 84.2    | 84.2        | 84.2    | 84.3        | 84.3    |  |
| GE 10000        | 78.4    | 83.4                        | 84.8        | 85.5        | 85.9        | 85.9    | 85.9        | 85.9    | 85.9        | 85.9    | 85.9        | 85.9    | 85.9        | 85.9    | 86.0        | 86.0    |  |
| GE 9000         | 79.0    | 84.6                        | 86.0        | 86.8        | 87.3        | 87.3    | 87.3        | 87.3    | 87.3        | 87.3    | 87.3        | 87.3    | 87.3        | 87.3    | 87.4        | 87.4    |  |
| GE 8000         | 79.1    | 85.1                        | 86.7        | 87.5        | 88.2        | 88.2    | 88.2        | 88.2    | 88.2        | 88.2    | 88.2        | 88.2    | 88.2        | 88.2    | 88.3        | 88.3    |  |
| GE 7000         | 79.2    | 85.3                        | 86.9        | 88.2        | 89.0        | 89.0    | 89.0        | 89.0    | 89.0        | 89.0    | 89.0        | 89.0    | 89.0        | 89.0    | 89.1        | 89.1    |  |
| GE 6000         | 79.4    | 86.0                        | 87.6        | 89.0        | 90.3        | 90.3    | 90.3        | 90.3    | 90.3        | 90.3    | 90.3        | 90.3    | 90.3        | 90.3    | 90.4        | 90.4    |  |
| GE 5000         | 79.6    | 86.5                        | 88.3        | 90.5        | 91.6        | 91.6    | 91.6        | 91.6    | 91.6        | 91.6    | 91.6        | 91.6    | 91.6        | 91.6    | 91.7        | 91.7    |  |
| GE 4000         | 79.6    | 86.5                        | 88.5        | 91.4        | 92.7        | 92.8    | 92.8        | 92.8    | 92.8        | 92.8    | 92.8        | 92.8    | 92.8        | 92.8    | 92.9        | 92.9    |  |
| GE 3000         | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 2000         | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 1000         | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 500          | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 200          | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 100          | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 50           | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 20           | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 10           | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 5            | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 2            | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 1            | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.5          | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.2          | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.1          | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.05         | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.02         | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.01         | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.005        | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.002        | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.001        | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.0005       | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.0002       | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.0001       | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.00005      | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.00002      | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.00001      | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.000005     | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.000002     | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.000001     | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.0000005    | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.0000002    | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.0000001    | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.00000005   | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.00000002   | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.00000001   | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.000000005  | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.000000002  | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.000000001  | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.0000000005 | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.0000000002 | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.3        | 93.3    | 93.4        | 93.4    |  |
| GE 0.0000000001 | 79.6    | 86.6                        | 88.6        | 91.6        | 93.2        |         |             |         |             |         |             |         |             |         |             |         |  |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1200-1400

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |            |           |         |  |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
|                       | 1<br>10                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |  |
| NO CEIL               | 54.1                        | 54.7    | 54.8    | 54.8    | 54.9    | 54.9        | 54.9    | 54.9        | 54.9        | 54.9    | 54.9      | 54.9      | 54.9      | 54.9       | 54.9      | 54.9    |  |
| GE 20000              | 62.0                        | 63.1    | 63.2    | 63.2    | 63.4    | 63.4        | 63.4    | 63.4        | 63.4        | 63.4    | 63.4      | 63.4      | 63.4      | 63.4       | 63.4      | 63.4    |  |
| GE 18700              | 62.5                        | 63.5    | 63.7    | 63.7    | 63.9    | 63.9        | 63.9    | 63.9        | 63.9        | 63.9    | 63.9      | 63.9      | 63.9      | 63.9       | 63.9      | 63.9    |  |
| GE 16700              | 62.6                        | 63.7    | 63.8    | 63.8    | 64.0    | 64.0        | 64.0    | 64.0        | 64.0        | 64.0    | 64.0      | 64.0      | 64.0      | 64.0       | 64.0      | 64.0    |  |
| GE 14000              | 63.9                        | 64.9    | 65.1    | 65.1    | 65.3    | 65.3        | 65.3    | 65.3        | 65.3        | 65.3    | 65.3      | 65.3      | 65.3      | 65.3       | 65.3      | 65.3    |  |
| GE 12000              | 66.2                        | 67.3    | 67.4    | 67.4    | 67.6    | 67.6        | 67.6    | 67.6        | 67.6        | 67.6    | 67.6      | 67.6      | 67.6      | 67.6       | 67.6      | 67.6    |  |
| GE 10000              | 69.2                        | 69.5    | 69.6    | 69.6    | 69.8    | 69.8        | 69.8    | 69.8        | 69.8        | 69.8    | 69.8      | 69.8      | 69.8      | 69.8       | 69.8      | 69.8    |  |
| GE 9000               | 69.3                        | 69.6    | 69.7    | 69.7    | 69.9    | 69.9        | 69.9    | 69.9        | 69.9        | 69.9    | 69.9      | 69.9      | 69.9      | 69.9       | 69.9      | 69.9    |  |
| GE 8000               | 70.1                        | 71.5    | 71.6    | 71.6    | 71.8    | 71.8        | 71.8    | 71.8        | 71.8        | 71.8    | 71.8      | 71.8      | 71.8      | 71.8       | 71.8      | 71.8    |  |
| GE 7000               | 72.4                        | 72.2    | 72.3    | 72.3    | 72.5    | 72.5        | 72.5    | 72.5        | 72.5        | 72.5    | 72.5      | 72.5      | 72.5      | 72.5       | 72.5      | 72.5    |  |
| GE 6000               | 71.7                        | 73.1    | 73.3    | 73.3    | 73.5    | 73.5        | 73.5    | 73.5        | 73.5        | 73.5    | 73.5      | 73.5      | 73.5      | 73.5       | 73.5      | 73.5    |  |
| GE 5000               | 72.8                        | 74.4    | 74.6    | 74.6    | 74.8    | 74.8        | 74.8    | 74.8        | 74.8        | 74.8    | 74.8      | 74.8      | 74.8      | 74.8       | 74.8      | 74.8    |  |
| GE 4000               | 73.3                        | 74.9    | 75.2    | 75.2    | 75.4    | 75.4        | 75.4    | 75.4        | 75.4        | 75.4    | 75.4      | 75.4      | 75.4      | 75.4       | 75.4      | 75.4    |  |
| GE 3000               | 73.4                        | 75.3    | 75.5    | 75.6    | 75.6    | 75.6        | 75.6    | 75.6        | 75.6        | 75.6    | 75.6      | 75.6      | 75.6      | 75.6       | 75.6      | 75.6    |  |
| GE 2000               | 73.9                        | 75.7    | 75.9    | 76.0    | 76.2    | 76.2        | 76.2    | 76.2        | 76.2        | 76.2    | 76.2      | 76.2      | 76.2      | 76.2       | 76.2      | 76.2    |  |
| GE 1000               | 75.1                        | 76.4    | 77.1    | 77.2    | 77.4    | 77.4        | 77.4    | 77.4        | 77.4        | 77.4    | 77.4      | 77.4      | 77.4      | 77.4       | 77.4      | 77.4    |  |
| GE 2500               | 75.7                        | 78.1    | 78.4    | 78.5    | 78.7    | 78.7        | 78.7    | 78.7        | 78.7        | 78.7    | 78.7      | 78.7      | 78.7      | 78.7       | 78.7      | 78.7    |  |
| GE 2000               | 77.0                        | 80.1    | 80.4    | 80.5    | 81.1    | 81.3        | 81.3    | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.3      | 81.3       | 81.3      | 81.3    |  |
| GE 1800               | 77.3                        | 80.5    | 80.9    | 81.3    | 81.5    | 81.7        | 81.7    | 81.7        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7       | 81.7      | 81.7    |  |
| GE 1600               | 79.1                        | 82.9    | 83.3    | 83.8    | 84.0    | 84.2        | 84.4    | 84.4        | 84.4        | 84.4    | 84.4      | 84.4      | 84.4      | 84.4       | 84.4      | 84.4    |  |
| GE 1400               | 81.9                        | 85.4    | 85.8    | 86.5    | 86.7    | 86.9        | 87.1    | 87.1        | 87.1        | 87.1    | 87.1      | 87.1      | 87.1      | 87.1       | 87.1      | 87.1    |  |
| GE 1200               | 81.5                        | 87.0    | 87.6    | 88.3    | 88.5    | 88.7        | 88.9    | 88.9        | 88.9        | 88.9    | 89.1      | 89.1      | 89.1      | 89.1       | 89.1      | 89.1    |  |
| GE 1000               | 81.9                        | 87.6    | 88.5    | 89.4    | 89.6    | 89.6        | 89.6    | 89.6        | 89.6        | 89.6    | 90.0      | 90.2      | 90.2      | 90.2       | 90.2      | 90.2    |  |
| GE 800                | 82.3                        | 88.3    | 89.1    | 90.1    | 90.5    | 90.8        | 91.0    | 91.0        | 91.1        | 91.2    | 91.4      | 91.4      | 91.4      | 91.4       | 91.4      | 91.4    |  |
| GE 700                | 82.4                        | 88.7    | 89.7    | 90.6    | 91.2    | 91.4        | 91.6    | 91.6        | 91.8        | 92.0    | 92.3      | 92.3      | 92.3      | 92.3       | 92.3      | 92.3    |  |
| GE 600                | 82.5                        | 89.4    | 90.4    | 92.2    | 92.7    | 92.9        | 93.3    | 93.5        | 93.9        | 94.1    | 94.3      | 94.3      | 94.3      | 94.3       | 94.3      | 94.3    |  |
| GE 500                | 82.5                        | 89.7    | 91.1    | 93.1    | 93.7    | 93.9        | 94.4    | 94.7        | 95.6        | 95.9    | 96.2      | 96.2      | 96.2      | 96.2       | 96.2      | 96.2    |  |
| GE 400                | 82.5                        | 90.0    | 91.4    | 93.8    | 94.4    | 94.6        | 95.3    | 95.6        | 96.8        | 97.3    | 97.6      | 97.7      | 97.7      | 97.7       | 97.7      | 97.7    |  |
| GE 300                | 82.5                        | 90.0    | 91.4    | 93.9    | 94.5    | 94.7        | 95.4    | 96.1        | 97.4        | 98.2    | 98.6      | 98.8      | 98.9      | 99.0       | 99.0      | 99.0    |  |
| GE 200                | 82.5                        | 90.0    | 91.4    | 93.9    | 94.5    | 94.7        | 95.4    | 96.3        | 97.7        | 98.7    | 99.5      | 99.7      | 99.8      | 99.9       | 100.0     | 100.0   |  |
| GE 100                | 82.5                        | 90.0    | 91.4    | 93.9    | 94.5    | 94.7        | 95.4    | 96.3        | 97.7        | 98.7    | 99.5      | 99.7      | 99.8      | 99.9       | 100.0     | 100.0   |  |
| GE 0                  | 82.5                        | 90.0    | 91.4    | 93.9    | 94.5    | 94.7        | 95.4    | 96.3        | 97.7        | 98.7    | 99.5      | 99.7      | 99.8      | 99.9       | 100.0     | 100.0   |  |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS/IST: 1500-1700

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |          |      |          |          |      |        |        |        |         |        |      |
|----------|------|-----------------------------|------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN FEET  | 1    | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL  | 1    | 54.8                        | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8     | 56.8 | 56.8     | 56.8     | 56.8 | 56.8   | 56.8   | 56.8   | 56.8    | 56.8   | 56.8 |
| GE 20000 | 65.7 | 67.7                        | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7     | 67.7 | 67.7     | 67.7     | 67.7 | 67.7   | 67.7   | 67.7   | 67.7    | 67.7   | 67.7 |
| GE 18000 | 66.0 | 68.1                        | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1     | 68.1 | 68.1     | 68.1     | 68.1 | 68.1   | 68.1   | 68.1   | 68.1    | 68.1   | 68.1 |
| GE 16000 | 66.7 | 68.7                        | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7     | 68.7 | 68.7     | 68.7     | 68.7 | 68.7   | 68.7   | 68.7   | 68.7    | 68.7   | 68.7 |
| GE 14000 | 67.7 | 69.8                        | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8     | 69.8 | 69.8     | 69.8     | 69.8 | 69.8   | 69.8   | 69.8   | 69.8    | 69.8   | 69.8 |
| GE 12000 | 69.8 | 71.8                        | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8     | 71.8 | 71.8     | 71.8     | 71.8 | 71.8   | 71.8   | 71.8   | 71.8    | 71.8   | 71.8 |
| GE 10000 | 72.8 | 72.8                        | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8     | 72.8 | 72.8     | 72.8     | 72.8 | 72.8   | 72.8   | 72.8   | 72.8    | 72.8   | 72.8 |
| GE 9000  | 71.2 | 73.2                        | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2     | 73.2 | 73.2     | 73.2     | 73.2 | 73.2   | 73.2   | 73.2   | 73.2    | 73.2   | 73.2 |
| GE 8000  | 73.8 | 76.1                        | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1     | 76.1 | 76.1     | 76.1     | 76.1 | 76.1   | 76.1   | 76.1   | 76.1    | 76.1   | 76.1 |
| GE 7000  | 74.4 | 76.8                        | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8     | 76.8 | 76.8     | 76.8     | 76.8 | 76.8   | 76.8   | 76.8   | 76.8    | 76.8   | 76.8 |
| GE 6000  | 74.8 | 77.2                        | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2     | 77.2 | 77.2     | 77.2     | 77.2 | 77.2   | 77.2   | 77.2   | 77.2    | 77.2   | 77.2 |
| GE 5000  | 76.2 | 78.9                        | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1     | 79.1 | 79.1     | 79.1     | 79.1 | 79.1   | 79.1   | 79.1   | 79.1    | 79.1   | 79.1 |
| GE 4000  | 76.9 | 79.6                        | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8     | 79.8 | 79.8     | 79.8     | 79.8 | 79.8   | 79.8   | 79.8   | 79.8    | 79.8   | 79.8 |
| GE 3000  | 78.0 | 80.9                        | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2     | 81.2 | 81.2     | 81.2     | 81.2 | 81.2   | 81.2   | 81.2   | 81.2    | 81.2   | 81.2 |
| GE 2500  | 79.1 | 81.1                        | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4     | 81.4 | 81.4     | 81.4     | 81.4 | 81.4   | 81.4   | 81.4   | 81.4    | 81.4   | 81.4 |
| GE 2000  | 79.8 | 81.9                        | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3     | 82.3 | 82.3     | 82.3     | 82.3 | 82.3   | 82.3   | 82.3   | 82.3    | 82.3   | 82.3 |
| GE 1500  | 79.7 | 82.9                        | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2     | 83.2 | 83.2     | 83.2     | 83.2 | 83.2   | 83.2   | 83.2   | 83.2    | 83.2   | 83.2 |
| GE 1000  | 81.2 | 84.6                        | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1     | 85.1 | 85.1     | 85.1     | 85.1 | 85.1   | 85.1   | 85.1   | 85.1    | 85.1   | 85.1 |
| GE 800   | 81.5 | 85.2                        | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6     | 85.6 | 85.6     | 85.6     | 85.6 | 85.6   | 85.6   | 85.6   | 85.6    | 85.6   | 85.6 |
| GE 600   | 82.4 | 86.3                        | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9     | 86.9 | 86.9     | 86.9     | 86.9 | 86.9   | 86.9   | 86.9   | 86.9    | 86.9   | 86.9 |
| GE 400   | 83.4 | 86.5                        | 88.9 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2     | 89.2 | 89.2     | 89.2     | 89.2 | 89.2   | 89.2   | 89.2   | 89.2    | 89.2   | 89.2 |
| GE 300   | 83.9 | 89.9                        | 90.3 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6     | 90.6 | 90.6     | 90.6     | 90.6 | 90.6   | 90.6   | 90.6   | 90.6    | 90.6   | 90.6 |
| GE 200   | 84.2 | 90.4                        | 91.0 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4     | 91.4 | 91.4     | 91.4     | 91.4 | 91.4   | 91.4   | 91.4   | 91.4    | 91.4   | 91.4 |
| GE 100   | 84.5 | 90.8                        | 91.4 | 91.9 | 92.2 | 92.3 | 92.3 | 92.3     | 92.3 | 92.3     | 92.3     | 92.3 | 92.3   | 92.3   | 92.3   | 92.3    | 92.3   | 92.3 |
| GE 50    | 84.7 | 91.1                        | 91.7 | 92.7 | 92.9 | 93.0 | 93.3 | 93.3     | 93.4 | 93.5     | 93.5     | 93.5 | 93.5   | 93.5   | 93.5   | 93.5    | 93.5   | 93.5 |
| GE 20    | 84.7 | 91.5                        | 92.4 | 94.1 | 94.4 | 94.5 | 94.5 | 94.5     | 94.5 | 94.5     | 94.5     | 94.5 | 94.5   | 94.5   | 94.5   | 94.5    | 94.5   | 94.5 |
| GE 10    | 84.8 | 91.8                        | 92.8 | 94.5 | 94.8 | 94.9 | 95.1 | 95.1     | 95.1 | 95.1     | 95.1     | 95.1 | 95.1   | 95.1   | 95.1   | 95.1    | 95.1   | 95.1 |
| GE 5     | 84.8 | 91.8                        | 92.8 | 94.5 | 94.9 | 95.1 | 95.1 | 95.1     | 95.1 | 95.1     | 95.1     | 95.1 | 95.1   | 95.1   | 95.1   | 95.1    | 95.1   | 95.1 |
| GE 1     | 84.8 | 91.8                        | 92.8 | 94.5 | 94.9 | 95.1 | 95.1 | 95.1     | 95.1 | 95.1     | 95.1     | 95.1 | 95.1   | 95.1   | 95.1   | 95.1    | 95.1   | 95.1 |
| GE 0     | 84.8 | 91.8                        | 92.8 | 94.5 | 94.9 | 95.1 | 95.1 | 95.1     | 95.1 | 95.1     | 95.1     | 95.1 | 95.1   | 95.1   | 95.1   | 95.1    | 95.1   | 95.1 |

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS (LST): 1800-2000

| CEILING  |      | VISIBILITY IN STATUTE MILES |       |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |
|----------|------|-----------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| IN       | FEET | 1                           | 1 1/2 | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15    | 16    |
| FEET     | 1    | 1 1/2                       | 2     | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16    | 17    |
| NO CEIL  | 1    | 57.0                        | 58.3  | 58.6 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0  | 59.0  |
| GE 20000 | 1    | 67.1                        | 68.5  | 68.8 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2  |
| GE 18000 | 1    | 67.5                        | 68.9  | 69.2 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7  | 69.7  |
| GE 16000 | 1    | 67.6                        | 69.2  | 69.6 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0  | 70.0  |
| GE 14000 | 1    | 68.9                        | 70.3  | 70.6 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1  |
| GE 12000 | 1    | 70.1                        | 71.5  | 71.8 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3  | 72.3  |
| GE 10000 | 1    | 72.4                        | 73.9  | 74.2 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6  | 74.6  |
| GE 9000  | 1    | 73.1                        | 74.6  | 74.9 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4  | 75.4  |
| GE 8000  | 1    | 75.9                        | 77.4  | 77.7 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2  | 78.2  |
| GE 7000  | 1    | 77.2                        | 78.7  | 79.0 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5  | 79.5  |
| GE 6000  | 1    | 79.5                        | 79.0  | 79.4 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8  | 79.8  |
| GE 5000  | 1    | 79.7                        | 80.6  | 81.2 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6  | 81.6  |
| GE 4000  | 1    | 79.9                        | 81.0  | 81.4 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8  | 81.8  |
| GE 3000  | 1    | 79.8                        | 81.9  | 82.4 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8  | 82.8  |
| GE 2000  | 1    | 80.0                        | 82.0  | 82.6 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0  | 83.0  |
| GE 1500  | 1    | 81.0                        | 83.8  | 84.2 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7  | 84.7  |
| GE 1000  | 1    | 82.0                        | 85.7  | 86.2 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1  | 87.1  |
| GE 800   | 1    | 82.4                        | 85.9  | 86.6 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4  | 87.4  |
| GE 700   | 1    | 82.4                        | 85.9  | 86.6 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5  | 87.5  |
| GE 600   | 1    | 83.0                        | 87.4  | 88.2 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1  | 89.1  |
| GE 500   | 1    | 83.1                        | 88.1  | 88.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0  | 90.0  |
| GE 400   | 1    | 83.2                        | 88.5  | 89.6 | 90.5 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 300   | 1    | 83.8                        | 89.4  | 90.4 | 91.4 | 91.8 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0  | 92.0  |
| GE 200   | 1    | 83.9                        | 89.6  | 90.6 | 91.9 | 92.4 | 92.5 | 92.6 | 92.7 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0  | 93.0  |
| GE 100   | 1    | 84.0                        | 90.1  | 91.3 | 92.8 | 93.4 | 93.5 | 94.3 | 94.5 | 94.7 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2  | 95.2  |
| GE 500   | 1    | 84.1                        | 90.3  | 91.7 | 93.2 | 94.1 | 94.2 | 95.2 | 95.7 | 95.9 | 96.5 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7  | 96.7  |
| GE 400   | 1    | 84.1                        | 90.3  | 91.7 | 93.3 | 94.3 | 94.5 | 95.4 | 96.8 | 97.1 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8  | 97.8  |
| GE 300   | 1    | 84.1                        | 90.4  | 91.9 | 93.5 | 94.5 | 94.7 | 96.1 | 97.3 | 98.3 | 99.0 | 99.1 | 99.1 | 99.1 | 99.4 | 99.5 | 99.5  | 99.5  |
| GE 200   | 1    | 84.1                        | 90.4  | 91.9 | 93.5 | 94.5 | 94.7 | 96.1 | 97.3 | 98.3 | 99.0 | 99.4 | 99.4 | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 |
| GE 100   | 1    | 84.1                        | 90.4  | 91.9 | 93.5 | 94.5 | 94.7 | 96.1 | 97.3 | 98.3 | 99.0 | 99.4 | 99.4 | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 2100-2300

| CEILING  |       | VISIBILITY IN STATUTE MILES |      |      |      |          |      |          |          |      |        |        |        |         |        |      |  |  |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|--|
| IN FEET  | GE 10 | GE 6                        | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |  |  |
| NO CEIL  | 61.4  | 62.5                        | 62.7 | 62.8 | 62.8 | 62.8     | 62.8 | 62.8     | 62.8     | 62.8 | 62.8   | 62.8   | 62.8   | 62.8    | 62.8   | 62.8 |  |  |
| GE 20000 | 69.8  | 70.9                        | 71.1 | 71.2 | 71.2 | 71.2     | 71.2 | 71.2     | 71.2     | 71.2 | 71.2   | 71.2   | 71.2   | 71.2    | 71.2   | 71.2 |  |  |
| GE 18000 | 69.8  | 70.9                        | 71.1 | 71.2 | 71.2 | 71.2     | 71.2 | 71.2     | 71.2     | 71.2 | 71.2   | 71.2   | 71.2   | 71.2    | 71.2   | 71.2 |  |  |
| GE 16000 | 69.9  | 71.0                        | 71.2 | 71.3 | 71.3 | 71.3     | 71.3 | 71.3     | 71.3     | 71.3 | 71.3   | 71.3   | 71.3   | 71.3    | 71.3   | 71.3 |  |  |
| GE 14000 | 70.3  | 71.4                        | 71.6 | 71.7 | 71.7 | 71.7     | 71.7 | 71.7     | 71.7     | 71.7 | 71.7   | 71.7   | 71.7   | 71.7    | 71.7   | 71.7 |  |  |
| GE 12000 | 71.1  | 72.2                        | 72.4 | 72.5 | 72.5 | 72.5     | 72.5 | 72.5     | 72.5     | 72.5 | 72.5   | 72.5   | 72.5   | 72.5    | 72.5   | 72.5 |  |  |
| GE 10000 | 73.7  | 74.7                        | 74.9 | 75.1 | 75.1 | 75.1     | 75.1 | 75.1     | 75.1     | 75.1 | 75.1   | 75.1   | 75.1   | 75.1    | 75.1   | 75.1 |  |  |
| GE 9000  | 73.6  | 74.8                        | 75.1 | 75.2 | 75.2 | 75.2     | 75.2 | 75.2     | 75.2     | 75.2 | 75.2   | 75.2   | 75.2   | 75.2    | 75.2   | 75.2 |  |  |
| GE 8000  | 75.3  | 76.3                        | 76.6 | 76.7 | 76.7 | 76.7     | 76.7 | 76.7     | 76.7     | 76.7 | 76.7   | 76.7   | 76.7   | 76.7    | 76.7   | 76.7 |  |  |
| GE 7000  | 75.7  | 76.8                        | 77.0 | 77.1 | 77.1 | 77.1     | 77.1 | 77.1     | 77.1     | 77.1 | 77.1   | 77.1   | 77.1   | 77.1    | 77.1   | 77.1 |  |  |
| GE 6000  | 76.2  | 77.4                        | 77.6 | 77.7 | 77.7 | 77.7     | 77.7 | 77.7     | 77.7     | 77.7 | 77.7   | 77.7   | 77.7   | 77.7    | 77.7   | 77.7 |  |  |
| GE 5000  | 77.8  | 79.4                        | 79.6 | 79.7 | 79.7 | 79.7     | 79.7 | 79.7     | 79.7     | 79.7 | 79.7   | 79.7   | 79.7   | 79.7    | 79.7   | 79.7 |  |  |
| GE 4500  | 78.1  | 79.6                        | 79.8 | 79.9 | 79.9 | 79.9     | 79.9 | 79.9     | 79.9     | 79.9 | 79.9   | 79.9   | 79.9   | 79.9    | 79.9   | 79.9 |  |  |
| GE 4000  | 78.7  | 80.6                        | 81.0 | 81.1 | 81.1 | 81.1     | 81.1 | 81.1     | 81.1     | 81.1 | 81.1   | 81.1   | 81.1   | 81.1    | 81.1   | 81.1 |  |  |
| GE 3500  | 79.8  | 80.9                        | 81.2 | 81.3 | 81.3 | 81.3     | 81.3 | 81.3     | 81.3     | 81.3 | 81.3   | 81.3   | 81.3   | 81.3    | 81.3   | 81.3 |  |  |
| GE 3000  | 79.1  | 81.5                        | 81.8 | 82.2 | 82.2 | 82.3     | 82.3 | 82.4     | 82.4     | 82.4 | 82.4   | 82.4   | 82.4   | 82.4    | 82.4   | 82.4 |  |  |
| GE 2500  | 79.5  | 82.2                        | 82.6 | 82.9 | 82.9 | 83.0     | 83.0 | 83.1     | 83.1     | 83.1 | 83.1   | 83.1   | 83.1   | 83.1    | 83.1   | 83.1 |  |  |
| GE 2000  | 81.5  | 85.2                        | 85.6 | 85.9 | 85.9 | 86.0     | 86.0 | 86.1     | 86.1     | 86.1 | 86.1   | 86.1   | 86.1   | 86.1    | 86.1   | 86.1 |  |  |
| GE 1800  | 81.5  | 85.3                        | 85.7 | 86.0 | 86.0 | 86.1     | 86.1 | 86.2     | 86.2     | 86.2 | 86.2   | 86.2   | 86.2   | 86.2    | 86.2   | 86.2 |  |  |
| GE 1500  | 81.7  | 85.9                        | 86.3 | 86.7 | 86.7 | 86.8     | 86.8 | 86.9     | 86.9     | 86.9 | 86.9   | 86.9   | 86.9   | 86.9    | 86.9   | 86.9 |  |  |
| GE 1200  | 82.5  | 86.8                        | 87.2 | 87.5 | 87.5 | 87.6     | 87.6 | 87.7     | 87.7     | 87.7 | 87.7   | 87.7   | 87.7   | 87.7    | 87.7   | 87.7 |  |  |
| GE 1000  | 83.1  | 88.1                        | 88.6 | 88.9 | 88.9 | 89.1     | 89.1 | 89.5     | 89.5     | 89.5 | 89.5   | 89.6   | 89.7   | 89.9    | 89.9   | 89.9 |  |  |
| GE 900   | 87.3  | 88.9                        | 89.6 | 90.0 | 90.0 | 90.2     | 90.2 | 90.5     | 90.5     | 90.5 | 90.5   | 90.6   | 90.8   | 91.0    | 91.0   | 91.0 |  |  |
| GE 800   | 83.5  | 90.2                        | 90.9 | 91.3 | 91.4 | 91.6     | 91.6 | 91.9     | 91.9     | 91.9 | 91.9   | 92.0   | 92.2   | 92.4    | 92.4   | 92.4 |  |  |
| GE 700   | 83.8  | 90.9                        | 91.6 | 92.3 | 92.4 | 92.6     | 92.6 | 93.0     | 93.0     | 93.0 | 93.0   | 93.1   | 93.2   | 93.4    | 93.4   | 93.4 |  |  |
| GE 600   | 83.8  | 90.9                        | 91.6 | 92.6 | 93.2 | 93.4     | 93.4 | 94.0     | 94.0     | 94.0 | 94.0   | 94.1   | 94.2   | 94.4    | 94.4   | 94.4 |  |  |
| GE 500   | 83.8  | 90.9                        | 91.7 | 92.9 | 93.8 | 94.0     | 94.0 | 95.1     | 95.1     | 95.1 | 95.1   | 95.5   | 95.6   | 95.8    | 95.8   | 95.8 |  |  |
| GE 400   | 83.8  | 91.2                        | 92.2 | 93.4 | 94.4 | 94.6     | 94.6 | 95.2     | 96.7     | 96.7 | 96.7   | 97.1   | 97.2   | 97.4    | 97.4   | 97.4 |  |  |
| GE 300   | 83.8  | 91.3                        | 92.3 | 93.5 | 94.6 | 94.8     | 94.8 | 95.7     | 97.1     | 97.6 | 97.6   | 98.2   | 98.3   | 98.5    | 98.5   | 98.5 |  |  |
| GE 200   | 83.8  | 91.3                        | 92.3 | 93.5 | 94.6 | 94.8     | 94.8 | 95.8     | 97.3     | 98.1 | 98.2   | 98.7   | 98.8   | 99.0    | 99.1   | 99.2 |  |  |
| GE 100   | 83.8  | 91.3                        | 92.3 | 93.5 | 94.6 | 94.8     | 94.8 | 95.8     | 97.3     | 98.1 | 98.2   | 98.7   | 98.9   | 99.2    | 99.5   | 99.6 |  |  |
| GE 0     | 83.8  | 91.3                        | 92.3 | 93.5 | 94.6 | 94.8     | 94.8 | 95.8     | 97.3     | 98.1 | 98.2   | 98.7   | 98.9   | 99.2    | 99.6   | 99.7 |  |  |

TOTAL NUMBER OF OBSERVATIONS: 500

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| IN       | FEET | 1                           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| FEET     | 1    | 2                           | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   |
| NO CEIL  | 1    | 57.1                        | 56.4 | 59.6 | 58.7 | 59.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.6 |
| GE 20000 | 1    | 65.0                        | 67.0 | 67.2 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 18000 | 1    | 65.7                        | 67.2 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 16000 | 1    | 65.8                        | 67.4 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 14000 | 1    | 66.7                        | 68.3 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| GE 12000 | 1    | 69.0                        | 69.5 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 10000 | 1    | 69.6                        | 71.2 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| GE 9000  | 1    | 69.6                        | 71.5 | 71.7 | 71.8 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 8000  | 1    | 71.7                        | 73.4 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 7000  | 1    | 72.7                        | 74.4 | 74.6 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 6000  | 1    | 73.3                        | 75.0 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 5000  | 1    | 74.3                        | 76.3 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 4500  | 1    | 74.6                        | 76.7 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 4000  | 1    | 75.3                        | 77.6 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 3500  | 1    | 75.7                        | 78.1 | 78.6 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 3000  | 1    | 76.6                        | 79.3 | 79.8 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 2500  | 1    | 77.4                        | 80.4 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 2000  | 1    | 79.6                        | 82.3 | 82.9 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 1800  | 1    | 79.0                        | 82.7 | 83.3 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 1600  | 1    | 79.8                        | 83.9 | 84.7 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 1400  | 1    | 80.8                        | 85.6 | 86.4 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 1200  | 1    | 81.7                        | 86.9 | 87.8 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 1000  | 1    | 81.8                        | 87.7 | 88.8 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 900   | 1    | 82.1                        | 88.5 | 89.6 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 800   | 1    | 82.2                        | 88.8 | 90.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 700   | 1    | 82.3                        | 89.4 | 90.6 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 600   | 1    | 82.5                        | 89.8 | 91.2 | 92.8 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 500   | 1    | 82.5                        | 90.9 | 91.5 | 93.3 | 94.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 400   | 1    | 82.5                        | 91.0 | 91.6 | 93.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 300   | 1    | 82.5                        | 91.0 | 91.6 | 93.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 200   | 1    | 82.5                        | 91.0 | 91.6 | 93.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 100   | 1    | 82.5                        | 91.0 | 91.6 | 93.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 0     | 1    | 82.5                        | 91.0 | 91.6 | 93.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |

TOTAL NUMBER OF OBSERVATIONS: 7447

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYEST AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0000-0200

| CEILING    |          | VISIBILITY IN STATUTE MILES |         |         |         |             |         |             |             |         |           |           |           |            |           |         |  |
|------------|----------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN<br>FEET | 1<br>1/2 | GE<br>6                     | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |  |
| NO CEIL    | 54.7     | 61.3                        | 61.6    | 61.8    | 61.8    | 61.8        | 61.8    | 61.8        | 61.8        | 61.8    | 61.8      | 61.8      | 61.8      | 61.8       | 61.9      | 61.9    |  |
| GE 20000   | 63.4     | 66.1                        | 66.3    | 66.5    | 66.7    | 66.7        | 66.7    | 66.7        | 66.7        | 66.7    | 66.7      | 66.7      | 66.7      | 66.7       | 66.8      | 66.8    |  |
| GE 14000   | 63.4     | 66.7                        | 66.9    | 67.1    | 67.3    | 67.3        | 67.3    | 67.3        | 67.3        | 67.3    | 67.3      | 67.3      | 67.3      | 67.3       | 67.4      | 67.4    |  |
| GE 10000   | 64.2     | 66.9                        | 67.1    | 67.4    | 67.5    | 67.5        | 67.5    | 67.5        | 67.5        | 67.5    | 67.5      | 67.5      | 67.5      | 67.5       | 67.6      | 67.6    |  |
| GE 8000    | 64.7     | 67.4                        | 67.6    | 67.8    | 68.0    | 68.0        | 68.0    | 68.0        | 68.0        | 68.0    | 68.0      | 68.0      | 68.0      | 68.0       | 68.1      | 68.1    |  |
| GE 6000    | 64.9     | 68.1                        | 68.3    | 68.6    | 68.7    | 68.7        | 68.7    | 68.7        | 68.7        | 68.7    | 68.7      | 68.7      | 68.7      | 68.7       | 68.8      | 68.8    |  |
| GE 4000    | 66.1     | 69.3                        | 69.5    | 69.7    | 69.9    | 69.9        | 69.9    | 69.9        | 69.9        | 69.9    | 69.9      | 69.9      | 69.9      | 69.9       | 70.0      | 70.0    |  |
| GE 3000    | 66.4     | 69.6                        | 69.9    | 70.1    | 70.2    | 70.2        | 70.2    | 70.2        | 70.2        | 70.2    | 70.2      | 70.2      | 70.2      | 70.2       | 70.3      | 70.3    |  |
| GE 2000    | 66.7     | 70.0                        | 70.2    | 70.4    | 70.6    | 70.6        | 70.6    | 70.6        | 70.6        | 70.6    | 70.6      | 70.6      | 70.6      | 70.6       | 70.7      | 70.7    |  |
| GE 1500    | 66.8     | 70.1                        | 70.3    | 70.6    | 70.7    | 70.7        | 70.7    | 70.7        | 70.7        | 70.7    | 70.7      | 70.7      | 70.7      | 70.7       | 70.8      | 70.8    |  |
| GE 1000    | 66.9     | 70.3                        | 70.7    | 70.9    | 71.0    | 71.0        | 71.0    | 71.0        | 71.0        | 71.0    | 71.0      | 71.0      | 71.0      | 71.0       | 71.2      | 71.2    |  |
| GE 800     | 69.6     | 72.7                        | 73.0    | 73.3    | 73.4    | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4       | 73.5      | 73.5    |  |
| GE 600     | 69.4     | 73.5                        | 73.9    | 74.1    | 74.2    | 74.2        | 74.2    | 74.2        | 74.2        | 74.2    | 74.2      | 74.2      | 74.2      | 74.2       | 74.3      | 74.3    |  |
| GE 400     | 70.2     | 74.5                        | 75.1    | 75.4    | 75.5    | 75.5        | 75.5    | 75.5        | 75.5        | 75.5    | 75.5      | 75.5      | 75.5      | 75.5       | 75.7      | 75.7    |  |
| GE 300     | 71.0     | 76.1                        | 76.7    | 77.1    | 77.2    | 77.2        | 77.3    | 77.3        | 77.3        | 77.3    | 77.3      | 77.3      | 77.3      | 77.3       | 77.4      | 77.4    |  |
| GE 200     | 71.7     | 77.1                        | 77.8    | 78.1    | 78.3    | 78.3        | 78.4    | 78.4        | 78.4        | 78.4    | 78.4      | 78.4      | 78.4      | 78.4       | 78.5      | 78.5    |  |
| GE 150     | 72.3     | 77.9                        | 78.6    | 79.0    | 79.1    | 79.1        | 79.2    | 79.2        | 79.2        | 79.2    | 79.2      | 79.2      | 79.2      | 79.2       | 79.3      | 79.3    |  |
| GE 100     | 73.0     | 77.7                        | 79.5    | 80.9    | 81.0    | 81.0        | 81.1    | 81.1        | 81.1        | 81.1    | 81.1      | 81.1      | 81.1      | 81.1       | 81.2      | 81.2    |  |
| GE 80      | 74.3     | 80.3                        | 81.1    | 81.4    | 81.6    | 81.6        | 81.7    | 81.7        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7       | 81.8      | 81.8    |  |
| GE 60      | 76.5     | 80.9                        | 83.7    | 84.0    | 84.2    | 84.2        | 84.3    | 84.3        | 84.3        | 84.3    | 84.3      | 84.3      | 84.3      | 84.3       | 84.4      | 84.4    |  |
| GE 40      | 77.8     | 84.8                        | 85.6    | 85.9    | 86.1    | 86.2        | 86.3    | 86.3        | 86.3        | 86.3    | 86.3      | 86.3      | 86.3      | 86.3       | 86.4      | 86.4    |  |
| GE 30      | 78.6     | 86.6                        | 87.6    | 87.9    | 88.1    | 88.2        | 88.3    | 88.3        | 88.3        | 88.3    | 88.3      | 88.3      | 88.3      | 88.3       | 88.4      | 88.4    |  |
| GE 20      | 78.8     | 87.2                        | 88.2    | 88.5    | 88.7    | 88.8        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9       | 89.1      | 89.1    |  |
| GE 15      | 79.0     | 87.6                        | 88.5    | 89.0    | 89.1    | 89.2        | 89.4    | 89.4        | 89.4        | 89.4    | 89.4      | 89.5      | 89.5      | 89.5       | 89.6      | 89.6    |  |
| GE 10      | 79.0     | 87.6                        | 88.8    | 89.5    | 89.8    | 90.0        | 90.1    | 90.1        | 90.1        | 90.1    | 90.1      | 90.2      | 90.2      | 90.2       | 90.3      | 90.3    |  |
| GE 8       | 79.0     | 87.6                        | 88.8    | 89.8    | 90.5    | 90.7        | 90.8    | 91.0        | 91.0        | 91.0    | 91.0      | 91.1      | 91.1      | 91.1       | 91.3      | 91.3    |  |
| GE 6       | 79.1     | 88.2                        | 89.8    | 91.1    | 92.0    | 92.7        | 92.8    | 93.0        | 93.0        | 93.0    | 93.1      | 93.1      | 93.1      | 93.1       | 93.3      | 93.3    |  |
| GE 4       | 79.1     | 88.9                        | 90.9    | 92.3    | 93.1    | 94.0        | 94.1    | 94.3        | 94.3        | 94.3    | 94.4      | 94.4      | 94.4      | 94.4       | 94.6      | 94.6    |  |
| GE 3       | 79.2     | 89.1                        | 91.3    | 93.6    | 94.7    | 95.5        | 96.0    | 96.5        | 96.5        | 96.5    | 96.7      | 96.8      | 97.0      | 97.2       | 97.3      | 97.4    |  |
| GE 2       | 79.2     | 89.4                        | 91.5    | 93.9    | 94.9    | 95.9        | 96.6    | 97.0        | 97.0        | 97.5    | 97.6      | 97.9      | 98.2      | 98.5       | 98.6      | 98.7    |  |
| GE 1       | 79.7     | 89.4                        | 91.5    | 93.9    | 94.9    | 95.9        | 96.6    | 97.2        | 97.2        | 97.6    | 97.9      | 98.3      | 98.7      | 98.9       | 99.2      | 99.4    |  |
| GE 0       | 79.2     | 89.4                        | 91.5    | 93.9    | 94.9    | 95.9        | 96.6    | 97.2        | 97.2        | 97.6    | 97.9      | 98.3      | 98.7      | 98.9       | 99.2      | 100.0   |  |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0300-0500

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |       |      |      |       |      |      |      |      |      |       |
|----------|------|-----------------------------|------|------|------|------|------|-------|------|------|-------|------|------|------|------|------|-------|
| IN       | FEET | GE                          | GE   | GE   | GE   | GE   | GE   | GE    | GE   | GE   | GE    | GE   | GE   | GE   | GE   | GE   | GE    |
|          |      | 10                          | 6    | 5    | 4    | 3    | 2    | 1 1/2 | 1    | 1/2  | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4   |
| NO CEIL  | 1    | 57.0                        | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7  | 58.7 | 58.7 | 58.7  | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7  |
| GE 20000 | 61.6 | 63.7                        | 63.6 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8  | 63.8 | 63.8 | 63.8  | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8  |
| GE 18000 | 61.9 | 64.1                        | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  | 64.2 | 64.2 | 64.2  | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  |
| GE 16000 | 61.9 | 64.1                        | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  | 64.2 | 64.2 | 64.2  | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  |
| GE 14000 | 62.6 | 64.8                        | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9  | 64.9 | 64.9 | 64.9  | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9  |
| GE 12000 | 63.2 | 65.4                        | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  | 65.5 | 65.5 | 65.5  | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  |
| GE 10000 | 63.9 | 66.1                        | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2 | 66.2  | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  |
| GE 9000  | 63.9 | 66.1                        | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2 | 66.2  | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  |
| GE 8000  | 64.5 | 66.7                        | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8  | 66.8 | 66.8 | 66.8  | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8  |
| GE 7000  | 64.8 | 66.9                        | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0  | 67.0 | 67.0 | 67.0  | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0  |
| GE 6000  | 64.9 | 67.1                        | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4  | 67.4 | 67.4 | 67.4  | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4  |
| GE 5000  | 66.1 | 68.7                        | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  | 68.9 | 68.9 | 68.9  | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9  |
| GE 4500  | 67.3 | 69.9                        | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4  | 70.4 | 70.4 | 70.4  | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4  |
| GE 4000  | 68.1 | 70.8                        | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4  | 71.4 | 71.4 | 71.4  | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4  |
| GE 3500  | 69.3 | 72.1                        | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7  | 72.7 | 72.7 | 72.7  | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7  |
| GE 3000  | 70.1 | 73.0                        | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  | 73.6 | 73.6 | 73.6  | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  |
| GE 2500  | 71.3 | 74.6                        | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1  | 75.1 | 75.1 | 75.1  | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1  |
| GE 2000  | 72.2 | 77.0                        | 77.4 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7  | 77.7 | 77.7 | 77.7  | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7  |
| GE 1500  | 74.1 | 78.1                        | 78.6 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8  | 78.8 | 78.8 | 78.8  | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8  |
| GE 1000  | 74.9 | 79.3                        | 79.8 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0  | 80.0 | 80.0 | 80.0  | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0  |
| GE 1000  | 75.7 | 81.1                        | 81.9 | 82.0 | 82.2 | 82.3 | 82.3 | 82.3  | 82.3 | 82.3 | 82.3  | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3  |
| GE 1000  | 76.6 | 83.2                        | 84.3 | 84.4 | 84.8 | 84.9 | 84.9 | 84.9  | 84.9 | 84.9 | 84.9  | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9  |
| GE 9000  | 77.0 | 84.5                        | 85.7 | 85.8 | 86.2 | 86.3 | 86.3 | 86.3  | 86.3 | 86.3 | 86.3  | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3  |
| GE 8000  | 77.7 | 85.3                        | 86.9 | 87.1 | 87.7 | 87.8 | 87.8 | 87.8  | 87.8 | 87.8 | 87.8  | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8  |
| GE 7000  | 77.1 | 86.3                        | 88.4 | 89.0 | 89.8 | 90.0 | 90.0 | 90.0  | 90.0 | 90.0 | 90.0  | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0  |
| GE 6000  | 77.0 | 87.5                        | 89.7 | 90.3 | 91.1 | 91.4 | 91.4 | 91.4  | 91.4 | 91.4 | 91.4  | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4  |
| GE 5000  | 77.3 | 88.4                        | 91.0 | 92.0 | 92.8 | 93.0 | 93.4 | 93.5  | 93.5 | 93.5 | 93.5  | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5  |
| GE 4500  | 77.3 | 88.8                        | 91.4 | 92.3 | 93.6 | 93.9 | 94.3 | 94.6  | 94.6 | 94.6 | 94.6  | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6  |
| GE 4000  | 77.7 | 88.8                        | 91.6 | 93.0 | 94.4 | 94.8 | 95.6 | 96.2  | 96.6 | 96.6 | 96.6  | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6  |
| GE 3500  | 77.3 | 89.8                        | 91.6 | 93.0 | 94.9 | 95.3 | 96.1 | 97.0  | 97.0 | 97.0 | 97.3  | 97.6 | 98.1 | 98.2 | 98.3 | 98.5 | 98.5  |
| GE 3000  | 77.3 | 89.8                        | 91.6 | 93.0 | 94.9 | 95.3 | 96.6 | 97.0  | 97.0 | 97.0 | 97.3  | 98.0 | 98.5 | 98.8 | 99.1 | 99.3 | 99.3  |
| GE 2500  | 77.3 | 88.8                        | 91.6 | 93.0 | 94.9 | 95.3 | 96.6 | 97.0  | 97.0 | 97.0 | 97.4  | 98.2 | 98.7 | 99.1 | 99.4 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 446

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0600-0600

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |       |      |       |      |       |      |       |      |       |      |       |      |       |      |       |      |
|-----------------------|-----------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|                       | 1                           | 1 1/2 | 2    | 2 1/2 | 3    | 3 1/2 | 4    | 4 1/2 | 5    | 5 1/2 | 6    | 6 1/2 | 7    | 7 1/2 | 8    | 8 1/2 | 9    |
| NO CEIL               | 51.4                        | 51.2  | 53.3 | 53.5  | 53.5 | 53.5  | 53.5 | 53.5  | 53.5 | 53.5  | 53.5 | 53.5  | 53.5 | 53.5  | 53.5 | 53.5  | 53.8 |
| GE 20000              | 57.4                        | 59.6  | 59.7 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 60.2 |
| GE 18000              | 57.4                        | 59.6  | 59.7 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 60.2 |
| GE 16000              | 57.4                        | 59.6  | 59.7 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 59.9 | 59.9  | 60.2 |
| GE 14000              | 57.9                        | 60.3  | 60.4 | 60.6  | 60.6 | 60.6  | 60.6 | 60.6  | 60.6 | 60.6  | 60.6 | 60.6  | 60.6 | 60.6  | 60.6 | 60.6  | 60.9 |
| GE 12000              | 59.1                        | 61.5  | 61.6 | 61.8  | 61.8 | 61.8  | 61.8 | 61.8  | 61.8 | 61.8  | 61.8 | 61.8  | 61.8 | 61.8  | 61.8 | 61.8  | 62.1 |
| GE 10000              | 60.2                        | 62.5  | 62.6 | 62.9  | 62.9 | 62.9  | 62.9 | 62.9  | 62.9 | 62.9  | 62.9 | 62.9  | 62.9 | 62.9  | 62.9 | 62.9  | 63.1 |
| GE 9000               | 60.3                        | 62.6  | 62.6 | 63.0  | 63.0 | 63.0  | 63.0 | 63.0  | 63.0 | 63.0  | 63.0 | 63.0  | 63.0 | 63.0  | 63.0 | 63.0  | 63.2 |
| GE 8000               | 61.3                        | 63.8  | 64.2 | 64.4  | 64.4 | 64.4  | 64.4 | 64.4  | 64.4 | 64.4  | 64.4 | 64.4  | 64.4 | 64.4  | 64.4 | 64.4  | 64.7 |
| GE 7000               | 61.8                        | 64.4  | 64.8 | 65.0  | 65.0 | 65.0  | 65.0 | 65.0  | 65.0 | 65.0  | 65.0 | 65.0  | 65.0 | 65.0  | 65.0 | 65.0  | 65.2 |
| GE 6000               | 62.4                        | 65.2  | 65.6 | 65.8  | 65.8 | 65.8  | 65.8 | 65.8  | 65.8 | 65.8  | 65.8 | 65.8  | 65.8 | 65.8  | 65.8 | 65.8  | 66.1 |
| GE 5000               | 63.4                        | 66.3  | 66.7 | 66.9  | 66.9 | 66.9  | 66.9 | 66.9  | 66.9 | 66.9  | 66.9 | 66.9  | 66.9 | 66.9  | 66.9 | 66.9  | 67.1 |
| GE 4000               | 64.5                        | 67.7  | 68.1 | 68.3  | 68.4 | 68.4  | 68.4 | 68.4  | 68.4 | 68.4  | 68.4 | 68.4  | 68.4 | 68.4  | 68.4 | 68.4  | 68.7 |
| GE 3000               | 65.0                        | 68.7  | 69.0 | 69.3  | 69.4 | 69.4  | 69.4 | 69.4  | 69.4 | 69.4  | 69.4 | 69.4  | 69.4 | 69.4  | 69.4 | 69.4  | 69.6 |
| GE 2000               | 65.2                        | 68.9  | 69.4 | 69.6  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 70.0 |
| GE 1000               | 65.6                        | 69.5  | 70.0 | 70.2  | 70.3 | 70.3  | 70.3 | 70.3  | 70.3 | 70.3  | 70.3 | 70.3  | 70.3 | 70.3  | 70.3 | 70.3  | 70.6 |
| GE 2500               | 67.7                        | 71.5  | 72.0 | 72.5  | 72.7 | 72.7  | 72.7 | 72.7  | 72.7 | 72.7  | 72.7 | 72.7  | 72.7 | 72.7  | 72.7 | 72.7  | 72.9 |
| GE 2000               | 69.9                        | 74.6  | 74.2 | 74.7  | 74.9 | 74.9  | 74.9 | 74.9  | 74.9 | 74.9  | 74.9 | 74.9  | 74.9 | 74.9  | 74.9 | 74.9  | 75.2 |
| GE 1900               | 70.2                        | 74.3  | 74.8 | 75.3  | 75.5 | 75.5  | 75.5 | 75.5  | 75.5 | 75.5  | 75.5 | 75.5  | 75.5 | 75.5  | 75.5 | 75.5  | 75.6 |
| GE 1800               | 71.7                        | 76.1  | 76.6 | 77.1  | 77.5 | 77.5  | 77.5 | 77.5  | 77.5 | 77.5  | 77.5 | 77.5  | 77.5 | 77.5  | 77.5 | 77.5  | 77.8 |
| GE 1700               | 71.7                        | 76.4  | 77.0 | 77.4  | 77.9 | 77.9  | 77.9 | 77.9  | 77.9 | 77.9  | 77.9 | 77.9  | 77.9 | 77.9  | 77.9 | 77.9  | 80.1 |
| GE 1600               | 73.5                        | 79.3  | 80.0 | 80.6  | 81.1 | 81.1  | 81.1 | 81.1  | 81.1 | 81.1  | 81.1 | 81.1  | 81.1 | 81.1  | 81.1 | 81.1  | 81.3 |
| GE 1500               | 74.2                        | 81.1  | 82.2 | 82.7  | 83.6 | 83.6  | 83.6 | 83.6  | 83.6 | 83.6  | 83.6 | 83.6  | 83.6 | 83.6  | 83.6 | 83.6  | 83.8 |
| GE 1400               | 74.6                        | 82.9  | 85.3 | 85.9  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 87.0 |
| GE 1300               | 74.7                        | 83.6  | 86.6 | 87.4  | 88.2 | 88.3  | 88.3 | 88.3  | 88.3 | 88.3  | 88.3 | 88.3  | 88.3 | 88.3  | 88.3 | 88.3  | 88.5 |
| GE 1200               | 74.9                        | 84.9  | 89.0 | 89.8  | 90.9 | 91.0  | 91.1 | 91.1  | 91.1 | 91.1  | 91.1 | 91.1  | 91.1 | 91.1  | 91.1 | 91.1  | 91.5 |
| GE 1100               | 74.9                        | 85.7  | 90.4 | 91.7  | 92.9 | 93.1  | 93.1 | 93.1  | 93.1 | 93.1  | 93.1 | 93.1  | 93.1 | 93.1  | 93.1 | 93.1  | 93.7 |
| GE 1000               | 74.9                        | 86.2  | 91.1 | 92.9  | 94.1 | 94.3  | 94.6 | 94.9  | 95.0 | 95.0  | 95.0 | 95.0  | 95.0 | 95.0  | 95.0 | 95.0  | 95.3 |
| GE 900                | 74.9                        | 86.3  | 91.4 | 93.1  | 94.6 | 95.0  | 95.0 | 96.1  | 96.2 | 96.7  | 97.0 | 97.0  | 97.0 | 97.0  | 97.0 | 97.0  | 97.3 |
| GE 800                | 74.9                        | 86.3  | 91.4 | 93.1  | 94.7 | 95.0  | 95.0 | 96.1  | 96.7 | 96.8  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 98.6 |
| GE 700                | 74.9                        | 86.3  | 91.4 | 93.1  | 94.7 | 95.0  | 95.0 | 96.1  | 96.7 | 96.8  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 98.6 |
| GE 600                | 74.9                        | 86.3  | 91.4 | 93.1  | 94.7 | 95.0  | 95.0 | 96.1  | 96.7 | 96.8  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 98.6 |
| GE 500                | 74.9                        | 86.3  | 91.4 | 93.1  | 94.7 | 95.0  | 95.0 | 96.1  | 96.7 | 96.8  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 98.6 |
| GE 400                | 74.9                        | 86.3  | 91.4 | 93.1  | 94.7 | 95.0  | 95.0 | 96.1  | 96.7 | 96.8  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 98.6 |
| GE 300                | 74.9                        | 86.3  | 91.4 | 93.1  | 94.7 | 95.0  | 95.0 | 96.1  | 96.7 | 96.8  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 98.6 |
| GE 200                | 74.9                        | 86.3  | 91.4 | 93.1  | 94.7 | 95.0  | 95.0 | 96.1  | 96.7 | 96.8  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 98.6 |
| GE 100                | 74.9                        | 86.3  | 91.4 | 93.1  | 94.7 | 95.0  | 95.0 | 96.1  | 96.7 | 96.8  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 98.6 |

TOTAL NUMBER OF OBSERVATIONS: 846



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(UT): 0900-1100

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| IN       | FEET | 1                           | 1/2  | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| FEET     | 1    | 1/2                         | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   |
| NO CEIL  | 49.8 | 51.8                        | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 |
| GE 20000 | 56.9 | 59.2                        | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 |
| GE 18000 | 57.4 | 59.6                        | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.2 | 60.2 |
| GE 16000 | 57.6 | 59.9                        | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 |
| GE 14000 | 59.3 | 60.8                        | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.1 | 61.1 |
| GE 12000 | 59.2 | 61.7                        | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 62.1 | 62.1 |
| GE 10000 | 60.4 | 62.9                        | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 |
| GE 9000  | 60.5 | 63.0                        | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.4 | 63.4 |
| GE 8000  | 61.5 | 64.4                        | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.8 | 64.8 |
| GE 7000  | 62.3 | 64.9                        | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 |
| GE 6000  | 62.9 | 65.7                        | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1 |
| GE 5000  | 64.2 | 67.0                        | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 |
| GE 4500  | 65.0 | 68.0                        | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.4 | 68.4 |
| GE 4000  | 65.6 | 68.9                        | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.5 | 69.5 |
| GE 3500  | 66.1 | 69.4                        | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 70.0 | 70.0 |
| GE 3000  | 66.9 | 70.3                        | 70.6 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 |
| GE 2500  | 68.4 | 71.9                        | 72.1 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 |
| GE 2000  | 70.0 | 73.6                        | 73.9 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.5 | 74.5 |
| GE 1800  | 70.1 | 73.9                        | 74.1 | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 |
| GE 1600  | 70.4 | 74.7                        | 75.1 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 |
| GE 1400  | 71.5 | 76.6                        | 77.5 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.6 | 78.6 |
| GE 1200  | 72.7 | 79.9                        | 80.9 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 |
| GE 1000  | 73.0 | 82.3                        | 83.8 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 85.2 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 |
| GE 900   | 73.3 | 83.9                        | 85.8 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.8 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 |
| GE 800   | 73.4 | 84.9                        | 87.0 | 88.1 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 89.2 | 89.5 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 90.1 | 90.1 |
| GE 700   | 73.4 | 85.2                        | 88.2 | 89.7 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 91.3 | 91.7 | 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 |
| GE 600   | 73.4 | 85.6                        | 89.2 | 91.5 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 93.4 | 94.3 | 94.6 | 94.7 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 |
| GE 500   | 73.4 | 85.6                        | 89.2 | 91.7 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 93.0 | 94.2 | 95.4 | 95.6 | 96.0 | 96.2 | 96.2 | 96.5 | 96.7 |
| GE 400   | 73.4 | 85.6                        | 89.5 | 92.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 94.0 | 95.4 | 96.7 | 96.9 | 97.5 | 98.0 | 98.0 | 98.5 | 98.5 |
| GE 300   | 73.4 | 85.6                        | 89.5 | 92.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 94.0 | 95.4 | 96.7 | 96.9 | 97.5 | 98.0 | 98.0 | 98.5 | 98.5 |
| GE 200   | 73.4 | 85.6                        | 89.5 | 92.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 94.0 | 95.4 | 96.7 | 96.9 | 97.5 | 98.0 | 98.0 | 98.5 | 98.5 |
| GE 100   | 73.4 | 85.6                        | 89.5 | 92.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 94.0 | 95.4 | 96.7 | 96.9 | 97.5 | 98.0 | 98.0 | 98.5 | 98.5 |
| GE 0     | 73.4 | 85.6                        | 89.5 | 92.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 94.0 | 95.4 | 96.7 | 96.9 | 97.5 | 98.0 | 98.0 | 98.5 | 98.5 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1200-1400

| CEILING  |      | VISIBILITY IN STATUTE MILES |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|-----------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| IN       | FEET | 1                           | 1 1/2 | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| FEET     | 1    | 1 1/2                       | 2     | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   |
| NO CEIL  | 50.0 | 51.9                        | 54.0  | 54.1 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 20000 | 59.7 | 60.9                        | 61.0  | 61.2 | 61.6 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 16000 | 60.6 | 62.2                        | 62.3  | 62.5 | 62.9 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 14000 | 61.9 | 63.0                        | 63.1  | 63.4 | 63.7 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 12000 | 62.9 | 64.4                        | 64.5  | 64.8 | 65.1 | 65.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 10000 | 63.9 | 65.6                        | 65.7  | 66.0 | 66.3 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 8000  | 65.8 | 67.6                        | 67.7  | 68.0 | 68.3 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| GE 6000  | 66.1 | 67.8                        | 68.0  | 68.2 | 68.6 | 68.7 | 68.9 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 4000  | 67.1 | 69.9                        | 69.0  | 69.3 | 69.6 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 2000  | 67.3 | 69.0                        | 69.1  | 69.4 | 69.7 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 1000  | 67.4 | 69.5                        | 69.6  | 69.9 | 70.2 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 5000  | 67.4 | 69.6                        | 69.7  | 70.0 | 70.3 | 70.4 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| GE 4000  | 67.5 | 69.9                        | 70.0  | 70.2 | 70.6 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 3000  | 68.4 | 70.9                        | 71.0  | 71.3 | 71.6 | 71.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 2000  | 69.0 | 71.5                        | 71.6  | 71.9 | 72.2 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 1000  | 70.3 | 72.5                        | 73.0  | 73.4 | 73.8 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 2000  | 72.1 | 74.7                        | 74.8  | 75.2 | 75.5 | 75.7 | 75.9 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 1800  | 74.0 | 76.7                        | 76.8  | 77.2 | 77.5 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 1600  | 74.8 | 77.5                        | 77.7  | 78.0 | 78.4 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 1400  | 76.5 | 79.6                        | 80.0  | 80.4 | 80.7 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 1200  | 74.7 | 83.6                        | 84.4  | 84.9 | 85.2 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 1000  | 75.7 | 85.9                        | 86.8  | 87.6 | 87.9 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 900   | 80.0 | 87.0                        | 88.1  | 89.3 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 800   | 80.4 | 88.2                        | 89.2  | 90.3 | 90.9 | 91.0 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 700   | 81.6 | 89.5                        | 91.3  | 92.3 | 93.0 | 93.1 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 600   | 81.6 | 89.6                        | 91.7  | 93.1 | 94.3 | 94.4 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 |
| GE 500   | 81.9 | 90.3                        | 92.4  | 94.4 | 95.6 | 95.9 | 97.0 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 |
| GE 400   | 81.9 | 90.3                        | 92.4  | 94.6 | 95.9 | 96.1 | 97.6 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 |
| GE 300   | 81.9 | 90.3                        | 92.4  | 94.6 | 95.9 | 96.2 | 98.7 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 200   | 81.9 | 90.3                        | 92.4  | 94.6 | 95.9 | 96.2 | 98.7 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 100   | 81.9 | 90.3                        | 92.4  | 94.6 | 95.9 | 96.2 | 98.7 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 0     | 81.9 | 90.3                        | 92.4  | 94.6 | 95.9 | 96.2 | 98.7 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1500-1700

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |       |       |       |       |    |
|----------|------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|-------|-------|-------|-------|----|
| IN       | FEET | 1                           | GE   | GE   | GE   | GE   | GE    | GE   | GE    | GE    | GE   | GE   | GE   | GE    | GE    | GE    | GE    | GE |
|          |      | 10                          | 0    | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2   | 5/16  | 1/4   | 0     |    |
| NO CEIL  | 1    | 53.3                        | 54.8 | 55.2 | 55.7 | 55.8 | 55.8  | 55.9 | 56.0  | 56.1  | 56.1 | 56.1 | 56.1 | 56.1  | 56.1  | 56.1  | 56.1  |    |
| GE 20000 | 1    | 65.8                        | 65.1 | 65.5 | 66.1 | 66.2 | 66.2  | 66.5 | 66.7  | 66.8  | 66.8 | 66.8 | 66.8 | 66.8  | 66.8  | 66.8  | 66.8  |    |
| GE 18000 | 1    | 64.3                        | 66.0 | 66.3 | 66.9 | 67.0 | 67.0  | 67.4 | 67.5  | 67.6  | 67.6 | 67.6 | 67.6 | 67.6  | 67.6  | 67.6  | 67.6  |    |
| GE 16000 | 1    | 64.3                        | 66.0 | 66.3 | 66.9 | 67.0 | 67.0  | 67.4 | 67.5  | 67.6  | 67.6 | 67.6 | 67.6 | 67.6  | 67.6  | 67.6  | 67.6  |    |
| GE 14000 | 1    | 65.2                        | 67.0 | 67.4 | 68.0 | 68.1 | 68.1  | 68.4 | 68.6  | 68.7  | 68.7 | 68.7 | 68.7 | 68.7  | 68.7  | 68.7  | 68.7  |    |
| GE 12000 | 1    | 66.3                        | 68.2 | 68.7 | 69.3 | 69.4 | 69.4  | 69.7 | 69.9  | 70.0  | 70.0 | 70.0 | 70.0 | 70.0  | 70.0  | 70.0  | 70.0  |    |
| GE 10000 | 1    | 69.2                        | 70.4 | 70.9 | 71.5 | 71.6 | 71.6  | 72.0 | 72.1  | 72.3  | 72.3 | 72.3 | 72.3 | 72.3  | 72.3  | 72.3  | 72.3  |    |
| GE 9000  | 1    | 69.3                        | 70.6 | 71.0 | 71.6 | 71.7 | 71.7  | 72.1 | 72.2  | 72.5  | 72.5 | 72.5 | 72.5 | 72.5  | 72.5  | 72.5  | 72.5  |    |
| GE 8000  | 1    | 69.7                        | 71.3 | 71.7 | 72.3 | 72.5 | 72.5  | 72.8 | 72.9  | 73.2  | 73.2 | 73.2 | 73.2 | 73.2  | 73.2  | 73.2  | 73.2  |    |
| GE 7000  | 1    | 69.9                        | 71.5 | 72.0 | 72.6 | 72.7 | 72.7  | 73.0 | 73.2  | 73.4  | 73.4 | 73.4 | 73.4 | 73.4  | 73.4  | 73.4  | 73.4  |    |
| GE 6000  | 1    | 69.1                        | 71.9 | 72.5 | 73.0 | 73.2 | 73.2  | 73.5 | 73.6  | 73.9  | 73.9 | 73.9 | 73.9 | 73.9  | 73.9  | 73.9  | 73.9  |    |
| GE 5000  | 1    | 69.4                        | 72.1 | 72.7 | 73.3 | 73.4 | 73.4  | 73.8 | 73.9  | 74.1  | 74.1 | 74.1 | 74.1 | 74.1  | 74.1  | 74.1  | 74.1  |    |
| GE 4500  | 1    | 70.0                        | 72.7 | 73.3 | 73.9 | 74.0 | 74.0  | 74.3 | 74.5  | 74.7  | 74.7 | 74.7 | 74.7 | 74.7  | 74.7  | 74.7  | 74.7  |    |
| GE 4000  | 1    | 71.3                        | 74.0 | 74.6 | 75.2 | 75.3 | 75.3  | 75.7 | 75.8  | 76.0  | 76.0 | 76.0 | 76.0 | 76.0  | 76.0  | 76.0  | 76.0  |    |
| GE 3500  | 1    | 71.9                        | 74.6 | 75.2 | 75.6 | 75.9 | 75.9  | 76.2 | 76.4  | 76.6  | 76.6 | 76.6 | 76.6 | 76.6  | 76.6  | 76.6  | 76.6  |    |
| GE 3000  | 1    | 72.6                        | 75.4 | 76.0 | 76.6 | 76.7 | 76.7  | 77.1 | 77.2  | 77.4  | 77.4 | 77.4 | 77.4 | 77.4  | 77.4  | 77.4  | 77.4  |    |
| GE 2500  | 1    | 74.0                        | 77.1 | 77.8 | 78.4 | 78.5 | 78.5  | 78.8 | 79.0  | 79.2  | 79.2 | 79.2 | 79.3 | 79.3  | 79.3  | 79.3  | 79.3  |    |
| GE 2000  | 1    | 76.1                        | 79.6 | 80.5 | 81.1 | 81.2 | 81.2  | 81.6 | 81.7  | 81.9  | 81.9 | 81.9 | 82.2 | 82.2  | 82.2  | 82.2  | 82.2  |    |
| GE 1800  | 1    | 76.5                        | 80.0 | 81.0 | 81.6 | 81.7 | 81.7  | 82.0 | 82.4  | 82.4  | 82.4 | 82.4 | 82.6 | 82.6  | 82.6  | 82.6  | 82.6  |    |
| GE 1600  | 1    | 78.1                        | 82.5 | 83.5 | 84.0 | 84.4 | 84.4  | 84.8 | 84.9  | 85.1  | 85.1 | 85.1 | 85.3 | 85.3  | 85.3  | 85.3  | 85.3  |    |
| GE 1400  | 1    | 79.9                        | 85.7 | 86.6 | 87.5 | 87.9 | 87.9  | 88.3 | 88.4  | 88.7  | 88.7 | 88.7 | 88.9 | 88.9  | 88.9  | 88.9  | 88.9  |    |
| GE 1200  | 1    | 80.6                        | 87.1 | 88.5 | 89.4 | 90.0 | 90.1  | 90.4 | 90.5  | 90.8  | 90.9 | 90.9 | 91.1 | 91.1  | 91.1  | 91.1  | 91.1  |    |
| GE 1000  | 1    | 81.0                        | 87.6 | 89.4 | 90.3 | 90.9 | 91.0  | 91.4 | 91.5  | 91.7  | 91.8 | 91.8 | 92.1 | 92.1  | 92.1  | 92.1  | 92.1  |    |
| GE 900   | 1    | 81.0                        | 88.7 | 90.2 | 91.3 | 91.8 | 92.0  | 92.4 | 92.6  | 92.8  | 93.0 | 93.0 | 93.3 | 93.3  | 93.3  | 93.3  | 93.3  |    |
| GE 800   | 1    | 81.1                        | 88.9 | 90.8 | 91.8 | 92.6 | 92.6  | 93.4 | 93.5  | 93.7  | 94.0 | 94.0 | 94.2 | 94.2  | 94.2  | 94.2  | 94.2  |    |
| GE 700   | 1    | 81.1                        | 89.2 | 91.5 | 93.0 | 94.1 | 94.3  | 94.9 | 95.2  | 95.4  | 95.6 | 95.6 | 95.9 | 95.9  | 95.9  | 95.9  | 95.9  |    |
| GE 600   | 1    | 81.1                        | 89.7 | 92.0 | 93.0 | 94.7 | 94.7  | 95.7 | 96.0  | 96.3  | 96.6 | 96.6 | 96.8 | 96.8  | 96.8  | 96.8  | 96.8  |    |
| GE 500   | 1    | 81.1                        | 89.7 | 92.0 | 94.4 | 95.9 | 96.1  | 96.9 | 97.8  | 98.2  | 98.6 | 98.6 | 98.8 | 98.8  | 98.8  | 98.8  | 98.8  |    |
| GE 400   | 1    | 81.1                        | 89.7 | 92.0 | 94.4 | 96.3 | 96.7  | 97.5 | 98.3  | 98.9  | 99.4 | 99.5 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  |    |
| GE 300   | 1    | 81.1                        | 89.7 | 92.0 | 94.4 | 96.3 | 96.7  | 97.5 | 98.3  | 98.9  | 99.4 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |    |
| GE 200   | 1    | 81.1                        | 89.7 | 92.0 | 94.4 | 96.3 | 96.7  | 97.5 | 98.3  | 98.9  | 99.4 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |    |
| GE 100   | 1    | 81.1                        | 89.7 | 92.0 | 94.4 | 96.3 | 96.7  | 97.5 | 98.3  | 98.9  | 99.4 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |    |
| GE 0     | 1    | 81.1                        | 89.7 | 92.0 | 94.4 | 96.3 | 96.7  | 97.5 | 98.3  | 98.9  | 99.4 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |    |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1800-2000

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|----------|------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| IN       | FEET | GE                          | GE   | GF   | GE   | GE   | GF   | GE   | GE   | GE   | GE   | GE   | GF   | GE   | GE   | GE   | GF    |
|          |      | 1                           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16    |
| NO CEIL  |      | 1                           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16    |
| NO CEIL  |      | 58.1                        | 58.4 | 58.9 | 59.0 | 59.2 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7  |
| GE 20000 | 67.0 | 66.5                        | 66.5 | 66.7 | 66.9 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4  |
| GE 18000 | 67.8 | 66.5                        | 67.4 | 67.5 | 67.7 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2  |
| GE 16000 | 67.9 | 66.7                        | 67.5 | 67.6 | 67.8 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3  |
| GE 14000 | 68.5 | 68.2                        | 69.0 | 69.1 | 69.4 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9  |
| GE 12000 | 67.4 | 70.1                        | 70.9 | 71.0 | 71.3 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7  |
| GE 10000 | 68.4 | 71.4                        | 72.2 | 72.6 | 72.8 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3  |
| GE 9000  | 69.7 | 71.6                        | 72.5 | 72.8 | 73.0 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  |
| GE 8000  | 67.6 | 72.6                        | 73.4 | 73.8 | 74.0 | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5  |
| GE 7000  | 69.7 | 72.7                        | 73.5 | 73.9 | 74.1 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6  |
| GE 6000  | 69.9 | 72.9                        | 74.0 | 74.3 | 74.6 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1  |
| GE 5000  | 70.9 | 74.8                        | 75.9 | 76.4 | 76.6 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  |
| GE 4500  | 71.4 | 75.4                        | 76.5 | 77.0 | 77.4 | 77.6 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9  |
| GE 4000  | 72.3 | 76.4                        | 77.4 | 77.9 | 78.4 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8  |
| GE 3500  | 72.8 | 77.0                        | 78.0 | 78.5 | 79.0 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4  |
| GE 3000  | 72.0 | 77.2                        | 78.3 | 78.8 | 79.3 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8  |
| GE 2500  | 72.5 | 78.5                        | 79.6 | 80.1 | 80.9 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3  |
| GE 2000  | 76.0 | 81.1                        | 82.2 | 82.7 | 83.5 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9  |
| GE 1800  | 76.1 | 81.3                        | 82.4 | 83.0 | 83.7 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2  |
| GE 1500  | 77.6 | 81.1                        | 84.2 | 84.9 | 85.8 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3  |
| GE 1200  | 74.2 | 85.8                        | 86.9 | 87.7 | 88.7 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1  |
| GE 1000  | 79.3 | 86.4                        | 88.1 | 89.2 | 90.3 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8  |
| GE 900   | 77.6 | 87.1                        | 89.0 | 90.2 | 91.3 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7  |
| GE 800   | 79.8 | 87.6                        | 89.6 | 91.3 | 92.4 | 92.6 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0  |
| GE 700   | 77.8 | 88.1                        | 90.3 | 92.2 | 93.4 | 93.7 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  |
| GE 600   | 79.6 | 88.5                        | 90.8 | 92.9 | 94.2 | 94.6 | 95.0 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4  |
| GE 500   | 89.1 | 89.0                        | 91.5 | 94.1 | 95.6 | 96.1 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9  |
| GE 400   | 89.1 | 89.0                        | 91.6 | 94.6 | 96.1 | 96.6 | 97.3 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8  |
| GE 300   | 89.1 | 89.0                        | 91.6 | 94.6 | 96.1 | 96.6 | 97.5 | 98.2 | 98.5 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  |
| GE 200   | 89.1 | 89.0                        | 91.6 | 94.6 | 96.1 | 96.6 | 97.5 | 98.2 | 98.5 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5  |
| GE 100   | 89.1 | 89.0                        | 91.6 | 94.6 | 96.1 | 96.6 | 97.5 | 98.2 | 98.5 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 |
| GE       | 0    | 89.1                        | 89.0 | 91.6 | 94.6 | 96.1 | 96.6 | 97.5 | 98.2 | 98.5 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 76-87  
MONTH: FEB HOURS(LST): 2100-2300

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |       |      |       |       |      |      |      |      |      |      |       |       |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|-------|
| IN       | FEET | GE                          | GE   | GE   | GE   | GE    | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE    | GE    |
|          |      | 10                          | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  |       | 0     |
| NO CEIL  | 60.0 | 63.1                        | 63.7 | 63.8 | 64.1 | 64.1  | 64.3 | 64.3  | 64.3  | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3  | 64.3  |
| GE 20000 | 66.5 | 69.1                        | 70.0 | 70.1 | 70.3 | 70.3  | 70.6 | 70.6  | 70.6  | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6  | 70.6  |
| GE 18000 | 66.7 | 69.6                        | 70.4 | 70.6 | 70.6 | 70.8  | 71.0 | 71.0  | 71.0  | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0  | 71.0  |
| GE 16000 | 66.9 | 69.7                        | 70.6 | 70.7 | 70.9 | 70.9  | 71.2 | 71.2  | 71.2  | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2  | 71.2  |
| GE 14000 | 68.2 | 71.2                        | 72.0 | 72.1 | 72.3 | 72.3  | 72.6 | 72.6  | 72.6  | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6  |
| GE 12000 | 69.4 | 72.1                        | 73.0 | 73.2 | 73.4 | 73.4  | 73.6 | 73.6  | 73.6  | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  | 73.6  |
| GE 10000 | 69.9 | 73.2                        | 74.1 | 74.2 | 74.5 | 74.5  | 74.7 | 74.7  | 74.7  | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7  | 74.7  |
| GE 9000  | 70.3 | 73.6                        | 74.6 | 74.7 | 74.9 | 74.9  | 75.2 | 75.2  | 75.2  | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2  | 75.2  |
| GE 8000  | 70.9 | 74.2                        | 75.2 | 75.3 | 75.5 | 75.5  | 75.8 | 75.8  | 75.8  | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8  | 75.8  |
| GE 7000  | 70.9 | 74.2                        | 75.2 | 75.3 | 75.5 | 75.5  | 75.8 | 75.8  | 75.8  | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8  | 75.8  |
| GE 6000  | 71.0 | 74.3                        | 75.3 | 75.4 | 75.7 | 75.7  | 75.9 | 75.9  | 75.9  | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9  | 75.9  |
| GE 5000  | 71.6 | 75.3                        | 76.5 | 76.7 | 77.0 | 77.0  | 77.2 | 77.2  | 77.2  | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2  | 77.2  |
| GE 4000  | 72.2 | 76.4                        | 77.5 | 77.8 | 78.0 | 78.0  | 78.3 | 78.3  | 78.3  | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3  | 78.3  |
| GE 3000  | 77.3 | 77.4                        | 78.7 | 79.0 | 79.2 | 79.2  | 79.4 | 79.4  | 79.4  | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4  | 79.4  |
| GE 2000  | 73.5 | 77.9                        | 79.2 | 79.4 | 79.7 | 79.7  | 79.9 | 79.9  | 79.9  | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9  | 79.9  |
| GE 1000  | 74.1 | 78.7                        | 80.0 | 80.3 | 80.5 | 80.5  | 80.7 | 80.7  | 80.7  | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7  | 80.7  |
| GE 800   | 74.3 | 79.3                        | 80.7 | 81.0 | 81.2 | 81.2  | 81.4 | 81.4  | 81.4  | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4  | 81.4  |
| GE 600   | 75.1 | 80.5                        | 82.2 | 82.5 | 82.7 | 82.7  | 83.0 | 83.0  | 83.0  | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0  | 83.0  |
| GE 400   | 76.4 | 81.3                        | 83.0 | 83.3 | 83.6 | 83.6  | 83.8 | 83.8  | 83.8  | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8  | 83.8  |
| GE 200   | 77.7 | 82.7                        | 84.4 | 84.8 | 85.0 | 85.0  | 85.2 | 85.2  | 85.2  | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2  | 85.2  |
| GE 100   | 74.8 | 84.4                        | 86.2 | 86.5 | 86.8 | 86.8  | 87.0 | 87.0  | 87.0  | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0  | 87.0  |
| GE 80    | 79.3 | 86.2                        | 87.5 | 88.1 | 88.3 | 88.4  | 88.7 | 88.7  | 88.7  | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7  | 88.7  |
| GE 60    | 77.7 | 86.2                        | 88.5 | 89.5 | 89.7 | 89.8  | 90.1 | 90.1  | 90.1  | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1  | 90.1  |
| GE 40    | 77.9 | 87.1                        | 89.6 | 90.8 | 91.0 | 91.1  | 91.4 | 91.4  | 91.4  | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4  | 91.4  |
| GE 20    | 77.9 | 87.5                        | 90.1 | 91.5 | 91.7 | 91.8  | 92.1 | 92.1  | 92.1  | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1  | 92.1  |
| GE 10    | 74.9 | 87.5                        | 90.3 | 91.7 | 92.1 | 92.3  | 92.5 | 92.8  | 92.8  | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8  | 92.8  |
| GE 8     | 80.0 | 87.8                        | 91.1 | 92.8 | 93.3 | 93.5  | 94.1 | 94.1  | 94.1  | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1  |
| GE 6     | 80.3 | 88.2                        | 92.3 | 94.6 | 95.4 | 95.6  | 96.7 | 96.8  | 96.8  | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8  | 96.8  |
| GE 4     | 80.4 | 88.3                        | 92.6 | 94.8 | 95.7 | 96.1  | 97.3 | 98.0  | 98.2  | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5  | 98.5  |
| GE 2     | 80.4 | 88.3                        | 92.6 | 94.9 | 96.0 | 96.3  | 97.5 | 98.5  | 98.7  | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3  | 99.3  |
| GE 1     | 80.4 | 88.3                        | 92.6 | 94.9 | 96.0 | 96.3  | 97.5 | 98.5  | 98.7  | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.6 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |      |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL  | 1    | 55.0                        | 56.9 | 57.2 | 57.3 | 57.4 | 57.5     | 57.6 | 57.6     | 57.6     | 57.6 | 57.6   | 57.6   | 57.6   | 57.6    | 57.6   | 57.7 |
| GE 20000 | 1    | 61.5                        | 63.7 | 64.0 | 64.2 | 64.3 | 64.4     | 64.5 | 64.5     | 64.6     | 64.6 | 64.6   | 64.6   | 64.6   | 64.6    | 64.6   | 64.6 |
| GE 18000 | 1    | 62.0                        | 64.3 | 64.6 | 64.8 | 65.0 | 65.2     | 65.2 | 65.1     | 65.2     | 65.2 | 65.2   | 65.2   | 65.2   | 65.2    | 65.2   | 65.2 |
| GE 16000 | 1    | 62.2                        | 64.5 | 64.8 | 65.0 | 65.1 | 65.2     | 65.2 | 65.3     | 65.4     | 65.4 | 65.4   | 65.4   | 65.4   | 65.4    | 65.4   | 65.4 |
| GE 14000 | 1    | 63.2                        | 65.5 | 65.8 | 66.0 | 66.2 | 66.2     | 66.2 | 66.3     | 66.4     | 66.4 | 66.4   | 66.4   | 66.4   | 66.4    | 66.4   | 66.4 |
| GE 12000 | 1    | 64.1                        | 66.6 | 66.9 | 67.1 | 67.3 | 67.3     | 67.4 | 67.4     | 67.5     | 67.5 | 67.5   | 67.5   | 67.5   | 67.5    | 67.5   | 67.5 |
| GE 10000 | 1    | 65.4                        | 67.9 | 68.3 | 68.5 | 68.6 | 68.7     | 68.8 | 68.8     | 68.9     | 68.9 | 68.9   | 68.9   | 68.9   | 68.9    | 68.9   | 68.9 |
| GE 9000  | 1    | 65.6                        | 68.1 | 68.5 | 68.7 | 68.9 | 68.9     | 69.0 | 69.0     | 69.1     | 69.1 | 69.1   | 69.1   | 69.1   | 69.1    | 69.1   | 69.1 |
| GE 8000  | 1    | 66.4                        | 69.0 | 69.4 | 69.6 | 69.7 | 69.8     | 69.9 | 69.9     | 70.0     | 70.0 | 70.0   | 70.0   | 70.0   | 70.0    | 70.0   | 70.0 |
| GE 7000  | 1    | 66.6                        | 69.2 | 69.6 | 69.8 | 70.0 | 70.0     | 70.1 | 70.2     | 70.2     | 70.2 | 70.2   | 70.2   | 70.2   | 70.2    | 70.2   | 70.3 |
| GE 6000  | 1    | 66.8                        | 69.6 | 70.1 | 70.3 | 70.5 | 70.5     | 70.6 | 70.6     | 70.7     | 70.7 | 70.7   | 70.7   | 70.7   | 70.7    | 70.7   | 70.7 |
| GE 5000  | 1    | 67.7                        | 70.8 | 71.3 | 71.6 | 71.7 | 71.8     | 71.9 | 71.9     | 71.9     | 71.9 | 71.9   | 71.9   | 71.9   | 71.9    | 72.0   | 72.0 |
| GE 4000  | 1    | 68.4                        | 71.7 | 72.2 | 72.5 | 72.7 | 72.7     | 72.8 | 72.8     | 72.9     | 72.9 | 72.9   | 72.9   | 72.9   | 72.9    | 72.9   | 72.9 |
| GE 3000  | 1    | 69.3                        | 72.7 | 73.3 | 73.6 | 73.8 | 73.8     | 73.9 | 73.9     | 74.0     | 74.0 | 74.0   | 74.0   | 74.0   | 74.0    | 74.0   | 74.0 |
| GE 2000  | 1    | 69.9                        | 73.4 | 74.0 | 74.3 | 74.5 | 74.6     | 74.7 | 74.7     | 74.7     | 74.7 | 74.7   | 74.7   | 74.7   | 74.7    | 74.8   | 74.8 |
| GE 1000  | 1    | 70.6                        | 74.3 | 74.9 | 75.2 | 75.4 | 75.5     | 75.6 | 75.6     | 75.7     | 75.7 | 75.7   | 75.7   | 75.7   | 75.7    | 75.7   | 75.7 |
| GE 2000  | 1    | 71.7                        | 75.7 | 76.3 | 76.7 | 76.9 | 77.0     | 77.1 | 77.1     | 77.2     | 77.2 | 77.2   | 77.2   | 77.2   | 77.2    | 77.2   | 77.2 |
| GE 2000  | 1    | 73.6                        | 77.7 | 78.5 | 78.8 | 79.1 | 79.2     | 79.3 | 79.3     | 79.3     | 79.3 | 79.3   | 79.4   | 79.4   | 79.4    | 79.4   | 79.4 |
| GE 1800  | 1    | 74.1                        | 78.4 | 79.1 | 79.5 | 79.7 | 79.8     | 79.9 | 79.9     | 79.9     | 79.9 | 80.0   | 80.0   | 80.0   | 80.0    | 80.0   | 80.0 |
| GE 1500  | 1    | 75.5                        | 80.1 | 80.9 | 81.3 | 81.6 | 81.7     | 81.8 | 81.8     | 81.9     | 81.9 | 81.9   | 81.9   | 81.9   | 81.9    | 82.0   | 82.0 |
| GE 1200  | 1    | 76.9                        | 82.5 | 83.5 | 84.0 | 84.3 | 84.4     | 84.5 | 84.6     | 84.6     | 84.7 | 84.7   | 84.7   | 84.7   | 84.7    | 84.7   | 84.8 |
| GE 1000  | 1    | 77.5                        | 84.2 | 85.4 | 86.1 | 86.5 | 86.6     | 86.7 | 86.8     | 86.8     | 86.9 | 86.9   | 86.9   | 86.9   | 86.9    | 86.9   | 87.0 |
| GE 900   | 1    | 77.9                        | 85.4 | 86.5 | 87.0 | 87.1 | 87.2     | 87.3 | 87.4     | 87.5     | 87.5 | 87.5   | 87.5   | 87.5   | 87.5    | 87.5   | 87.6 |
| GE 800   | 1    | 78.1                        | 86.4 | 87.2 | 87.6 | 87.8 | 87.9     | 88.0 | 88.0     | 88.1     | 88.1 | 88.1   | 88.1   | 88.1   | 88.1    | 88.1   | 88.2 |
| GE 700   | 1    | 78.2                        | 87.0 | 87.9 | 88.2 | 88.4 | 88.5     | 88.6 | 88.6     | 88.7     | 88.7 | 88.7   | 88.7   | 88.7   | 88.7    | 88.7   | 88.8 |
| GE 600   | 1    | 78.2                        | 87.5 | 88.0 | 88.3 | 88.5 | 88.6     | 88.7 | 88.7     | 88.8     | 88.8 | 88.8   | 88.8   | 88.8   | 88.8    | 88.8   | 88.9 |
| GE 500   | 1    | 78.3                        | 88.1 | 88.9 | 89.7 | 89.8 | 89.9     | 90.0 | 90.0     | 90.1     | 90.1 | 90.1   | 90.1   | 90.1   | 90.1    | 90.1   | 90.2 |
| GE 400   | 1    | 78.4                        | 88.3 | 89.4 | 90.4 | 90.6 | 90.7     | 90.8 | 90.8     | 90.9     | 90.9 | 90.9   | 90.9   | 90.9   | 90.9    | 90.9   | 91.0 |
| GE 300   | 1    | 78.4                        | 88.4 | 89.5 | 90.5 | 90.7 | 90.8     | 90.9 | 90.9     | 91.0     | 91.0 | 91.0   | 91.0   | 91.0   | 91.0    | 91.0   | 91.1 |
| GE 200   | 1    | 78.4                        | 88.4 | 89.5 | 90.5 | 90.7 | 90.8     | 90.9 | 90.9     | 91.0     | 91.0 | 91.0   | 91.0   | 91.0   | 91.0    | 91.0   | 91.1 |
| GE 100   | 1    | 78.4                        | 88.4 | 89.5 | 90.5 | 90.7 | 90.8     | 90.9 | 90.9     | 91.0     | 91.0 | 91.0   | 91.0   | 91.0   | 91.0    | 91.0   | 91.1 |
| GE 0     | 1    | 78.4                        | 88.4 | 89.5 | 90.5 | 90.7 | 90.8     | 90.9 | 90.9     | 91.0     | 91.0 | 91.0   | 91.0   | 91.0   | 91.0    | 91.0   | 91.1 |

TOTAL NUMBER OF OBSERVATIONS: 6758

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0000-0200

| CEILING  |      | VISIBILITY IN STATUTE MILES |        |      |          |          |          |      |          |      |          |          |          |      |          |          |          |
|----------|------|-----------------------------|--------|------|----------|----------|----------|------|----------|------|----------|----------|----------|------|----------|----------|----------|
| IN FEET  | 1    | GE 1/2                      | GE 3/4 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/2 | GE 3 | GE 3 1/4 | GE 3 1/2 | GE 3 3/4 | GE 4 | GE 4 1/4 | GE 4 1/2 | GE 4 3/4 |
| NO CEIL  | 1    | 65.4                        | 65.2   | 65.2 | 65.6     | 67.6     | 69.6     | 69.6 | 69.6     | 69.6 | 69.6     | 69.6     | 69.6     | 69.6 | 69.6     | 69.6     | 69.6     |
| GE 20000 | 74.3 | 75.6                        | 75.6   | 75.8 | 75.8     | 75.8     | 75.8     | 75.8 | 75.8     | 75.8 | 75.8     | 75.8     | 75.8     | 75.8 | 75.8     | 75.8     | 75.8     |
| GE 18000 | 74.6 | 75.6                        | 75.6   | 76.1 | 76.1     | 76.1     | 76.1     | 76.1 | 76.1     | 76.1 | 76.1     | 76.1     | 76.1     | 76.1 | 76.1     | 76.1     | 76.1     |
| GE 16000 | 74.9 | 76.1                        | 76.1   | 76.5 | 76.5     | 76.5     | 76.5     | 76.5 | 76.5     | 76.5 | 76.5     | 76.5     | 76.5     | 76.5 | 76.5     | 76.5     | 76.5     |
| GE 14000 | 75.3 | 76.7                        | 76.7   | 77.0 | 77.0     | 77.0     | 77.0     | 77.0 | 77.0     | 77.0 | 77.0     | 77.0     | 77.0     | 77.0 | 77.0     | 77.0     | 77.0     |
| GE 12000 | 75.6 | 77.6                        | 77.6   | 78.0 | 78.0     | 78.0     | 78.0     | 78.0 | 78.0     | 78.0 | 78.0     | 78.0     | 78.0     | 78.0 | 78.0     | 78.0     | 78.0     |
| GE 10000 | 77.3 | 78.6                        | 78.8   | 79.1 | 79.1     | 79.1     | 79.1     | 79.1 | 79.1     | 79.1 | 79.1     | 79.1     | 79.1     | 79.1 | 79.1     | 79.1     | 79.1     |
| GE 9000  | 77.4 | 78.9                        | 78.9   | 79.2 | 79.2     | 79.2     | 79.2     | 79.2 | 79.2     | 79.2 | 79.2     | 79.2     | 79.2     | 79.2 | 79.2     | 79.2     | 79.2     |
| GE 8000  | 74.3 | 75.8                        | 79.3   | 80.1 | 80.1     | 80.1     | 80.1     | 80.1 | 80.1     | 80.1 | 80.1     | 80.1     | 80.1     | 80.1 | 80.1     | 80.1     | 80.1     |
| GE 7000  | 77.0 | 80.6                        | 80.6   | 81.0 | 81.0     | 81.0     | 81.0     | 81.0 | 81.0     | 81.0 | 81.0     | 81.0     | 81.0     | 81.0 | 81.0     | 81.0     | 81.0     |
| GE 6000  | 80.0 | 81.6                        | 81.6   | 81.6 | 81.6     | 81.6     | 81.6     | 81.6 | 81.6     | 81.6 | 81.6     | 81.6     | 81.6     | 81.6 | 81.6     | 81.6     | 81.6     |
| GE 5000  | 81.3 | 83.4                        | 83.7   | 84.1 | 84.1     | 84.1     | 84.1     | 84.1 | 84.1     | 84.1 | 84.1     | 84.1     | 84.1     | 84.1 | 84.1     | 84.1     | 84.1     |
| GE 4500  | 80.5 | 85.1                        | 85.4   | 85.6 | 85.6     | 85.6     | 85.6     | 85.6 | 85.6     | 85.6 | 85.6     | 85.6     | 85.6     | 85.6 | 85.6     | 85.6     | 85.6     |
| GE 4000  | 77.4 | 86.2                        | 86.6   | 87.0 | 87.2     | 87.2     | 87.2     | 87.2 | 87.2     | 87.2 | 87.2     | 87.2     | 87.2     | 87.2 | 87.2     | 87.2     | 87.2     |
| GE 3500  | 84.0 | 87.1                        | 87.4   | 87.6 | 88.1     | 88.1     | 88.1     | 88.1 | 88.1     | 88.1 | 88.1     | 88.1     | 88.1     | 88.1 | 88.1     | 88.1     | 88.1     |
| GE 3000  | 84.8 | 87.6                        | 88.2   | 88.6 | 88.9     | 88.9     | 88.9     | 88.9 | 88.9     | 88.9 | 88.9     | 88.9     | 88.9     | 88.9 | 88.9     | 88.9     | 88.9     |
| GE 2500  | 85.8 | 88.6                        | 89.1   | 89.6 | 89.9     | 89.9     | 89.9     | 89.9 | 89.9     | 89.9 | 89.9     | 89.9     | 89.9     | 89.9 | 89.9     | 89.9     | 89.9     |
| GE 2000  | 86.9 | 89.1                        | 90.5   | 91.0 | 91.3     | 91.3     | 91.3     | 91.3 | 91.3     | 91.3 | 91.3     | 91.3     | 91.3     | 91.3 | 91.3     | 91.3     | 91.3     |
| GE 1800  | 86.9 | 90.4                        | 91.1   | 91.5 | 91.8     | 91.8     | 91.8     | 91.8 | 91.8     | 91.8 | 91.8     | 91.8     | 91.8     | 91.8 | 91.8     | 91.8     | 91.8     |
| GE 1600  | 87.8 | 91.9                        | 92.6   | 93.0 | 93.3     | 93.3     | 93.3     | 93.3 | 93.3     | 93.3 | 93.3     | 93.3     | 93.3     | 93.3 | 93.3     | 93.3     | 93.3     |
| GE 1400  | 88.0 | 93.1                        | 93.9   | 94.3 | 94.6     | 94.6     | 94.6     | 94.6 | 94.6     | 94.6 | 94.6     | 94.6     | 94.6     | 94.6 | 94.6     | 94.6     | 94.6     |
| GE 1200  | 87.4 | 94.2                        | 94.9   | 95.4 | 95.7     | 95.7     | 95.7     | 95.7 | 95.7     | 95.7 | 95.7     | 95.7     | 95.7     | 95.7 | 95.7     | 95.7     | 95.7     |
| GE 1000  | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 900   | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 800   | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 700   | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 600   | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 500   | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 400   | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 300   | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 200   | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 100   | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |
| GE 0     | 84.4 | 95.0                        | 95.9   | 96.3 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.7     | 96.7     |

THE JOURNAL OF THE MATHEMATICAL ASSOCIATION OF AMERICA 257

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722655 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0300-0500

| CEILING  |      | VISIBILITY IN STATUTE MILES |        |        |      |          |          |          |      |          |          |          |      |          |          |          |      |          |  |
|----------|------|-----------------------------|--------|--------|------|----------|----------|----------|------|----------|----------|----------|------|----------|----------|----------|------|----------|--|
| IN FEET  | 1    | GE 1/4                      | GE 1/2 | GE 3/4 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/4 | GE 2 1/2 | GE 2 3/4 | GE 3 | GE 3 1/4 | GE 3 1/2 | GE 3 3/4 | GE 4 | GE 4 1/4 |  |
| NO CEIL  | 1    | 64.3                        | 66.1   | 66.2   | 66.3 | 66.5     | 66.5     | 66.5     | 66.5 | 66.5     | 66.5     | 66.6     | 66.6 | 66.6     | 66.6     | 66.6     | 66.6 | 66.6     |  |
| GE 20000 | 71.4 | 74.1                        | 74.2   | 74.3   | 74.4 | 74.4     | 74.4     | 74.4     | 74.4 | 74.4     | 74.5     | 74.5     | 74.5 | 74.5     | 74.5     | 74.5     | 74.5 | 74.5     |  |
| GE 18000 | 71.9 | 74.6                        | 74.7   | 74.8   | 74.9 | 74.9     | 74.9     | 74.9     | 74.9 | 74.9     | 75.1     | 75.1     | 75.1 | 75.1     | 75.1     | 75.1     | 75.1 | 75.1     |  |
| GE 16000 | 72.2 | 74.8                        | 74.9   | 75.1   | 75.2 | 75.2     | 75.2     | 75.2     | 75.2 | 75.2     | 75.3     | 75.3     | 75.3 | 75.3     | 75.3     | 75.3     | 75.3 | 75.3     |  |
| GE 14000 | 72.5 | 75.2                        | 75.3   | 75.4   | 75.5 | 75.5     | 75.5     | 75.5     | 75.5 | 75.5     | 75.6     | 75.6     | 75.6 | 75.6     | 75.6     | 75.6     | 75.6 | 75.6     |  |
| GE 12000 | 72.4 | 75.1                        | 75.2   | 75.3   | 75.5 | 75.5     | 75.5     | 75.5     | 75.5 | 75.5     | 75.6     | 75.6     | 75.6 | 75.6     | 75.6     | 75.6     | 75.6 | 75.6     |  |
| GE 10000 | 74.9 | 77.7                        | 77.8   | 78.0   | 78.1 | 78.1     | 78.1     | 78.1     | 78.1 | 78.1     | 78.2     | 78.2     | 78.2 | 78.2     | 78.2     | 78.2     | 78.2 | 78.2     |  |
| GE 9000  | 74.9 | 77.7                        | 77.8   | 78.0   | 78.1 | 78.1     | 78.1     | 78.1     | 78.1 | 78.1     | 78.2     | 78.2     | 78.2 | 78.2     | 78.2     | 78.2     | 78.2 | 78.2     |  |
| GE 8000  | 75.4 | 78.3                        | 78.4   | 78.5   | 78.6 | 78.6     | 78.6     | 78.6     | 78.6 | 78.6     | 78.7     | 78.7     | 78.7 | 78.7     | 78.7     | 78.7     | 78.7 | 78.7     |  |
| GE 7000  | 75.4 | 78.5                        | 78.6   | 78.7   | 78.8 | 78.8     | 78.8     | 78.8     | 78.8 | 78.8     | 78.9     | 78.9     | 78.9 | 78.9     | 78.9     | 78.9     | 78.9 | 78.9     |  |
| GE 6000  | 75.7 | 78.8                        | 78.9   | 79.0   | 79.1 | 79.1     | 79.1     | 79.1     | 79.1 | 79.1     | 79.2     | 79.2     | 79.2 | 79.2     | 79.2     | 79.2     | 79.2 | 79.2     |  |
| GE 5000  | 78.0 | 81.2                        | 81.3   | 81.4   | 81.5 | 81.5     | 81.5     | 81.5     | 81.5 | 81.5     | 81.6     | 81.6     | 81.6 | 81.6     | 81.6     | 81.6     | 81.6 | 81.6     |  |
| GE 4000  | 78.6 | 82.0                        | 82.4   | 82.5   | 82.6 | 82.6     | 82.6     | 82.6     | 82.6 | 82.6     | 82.7     | 82.7     | 82.7 | 82.7     | 82.7     | 82.7     | 82.7 | 82.7     |  |
| GE 3000  | 80.0 | 83.9                        | 84.4   | 84.5   | 84.6 | 84.6     | 84.6     | 84.6     | 84.6 | 84.6     | 84.7     | 84.7     | 84.7 | 84.7     | 84.7     | 84.7     | 84.7 | 84.7     |  |
| GE 2000  | 80.5 | 84.6                        | 85.2   | 85.3   | 85.4 | 85.4     | 85.4     | 85.4     | 85.4 | 85.4     | 85.5     | 85.5     | 85.5 | 85.5     | 85.5     | 85.5     | 85.5 | 85.5     |  |
| GE 1000  | 81.4 | 85.6                        | 86.1   | 86.2   | 86.3 | 86.3     | 86.3     | 86.3     | 86.3 | 86.3     | 86.5     | 86.5     | 86.5 | 86.5     | 86.5     | 86.5     | 86.5 | 86.5     |  |
| GE 2500  | 82.7 | 87.3                        | 87.8   | 88.1   | 88.3 | 88.3     | 88.3     | 88.3     | 88.3 | 88.3     | 88.4     | 88.4     | 88.4 | 88.4     | 88.4     | 88.4     | 88.4 | 88.4     |  |
| GE 2000  | 82.9 | 88.9                        | 89.6   | 89.8   | 90.0 | 90.0     | 90.0     | 90.0     | 90.0 | 90.0     | 90.1     | 90.1     | 90.1 | 90.1     | 90.1     | 90.1     | 90.1 | 90.1     |  |
| GE 1800  | 84.3 | 89.6                        | 90.2   | 90.4   | 90.6 | 90.6     | 90.6     | 90.6     | 90.6 | 90.6     | 90.8     | 90.8     | 90.8 | 90.8     | 90.8     | 90.8     | 90.8 | 90.8     |  |
| GE 1600  | 84.9 | 90.5                        | 91.4   | 91.6   | 91.8 | 91.8     | 91.8     | 91.8     | 91.8 | 91.8     | 91.9     | 91.9     | 91.9 | 91.9     | 91.9     | 91.9     | 91.9 | 91.9     |  |
| GE 1400  | 85.4 | 91.9                        | 92.8   | 93.2   | 93.4 | 93.4     | 93.4     | 93.4     | 93.4 | 93.4     | 93.5     | 93.5     | 93.5 | 93.5     | 93.5     | 93.5     | 93.5 | 93.5     |  |
| GE 1000  | 85.8 | 92.7                        | 93.5   | 94.1   | 94.3 | 94.3     | 94.3     | 94.3     | 94.3 | 94.3     | 94.4     | 94.4     | 94.4 | 94.4     | 94.4     | 94.4     | 94.4 | 94.4     |  |
| GE 900   | 85.9 | 92.9                        | 93.9   | 94.6   | 94.9 | 94.9     | 94.9     | 94.9     | 94.9 | 94.9     | 95.1     | 95.1     | 95.1 | 95.1     | 95.1     | 95.1     | 95.1 | 95.1     |  |
| GE 800   | 86.0 | 93.3                        | 94.3   | 95.2   | 95.5 | 95.5     | 95.5     | 95.5     | 95.5 | 95.5     | 95.6     | 95.6     | 95.6 | 95.6     | 95.6     | 95.6     | 95.6 | 95.6     |  |
| GE 700   | 86.7 | 93.8                        | 94.7   | 95.7   | 96.0 | 96.0     | 96.0     | 96.0     | 96.0 | 96.0     | 96.1     | 96.1     | 96.1 | 96.1     | 96.1     | 96.1     | 96.1 | 96.1     |  |
| GE 600   | 86.0 | 94.1                        | 95.2   | 96.2   | 96.7 | 96.7     | 96.7     | 96.7     | 96.7 | 96.7     | 96.8     | 96.8     | 96.8 | 96.8     | 96.8     | 96.8     | 96.8 | 96.8     |  |
| GE 500   | 86.0 | 94.2                        | 95.3   | 96.9   | 97.4 | 97.4     | 97.4     | 97.4     | 97.4 | 97.4     | 97.5     | 97.5     | 97.5 | 97.5     | 97.5     | 97.5     | 97.5 | 97.5     |  |
| GE 400   | 86.0 | 94.6                        | 95.7   | 97.4   | 98.1 | 98.3     | 98.3     | 98.3     | 98.3 | 98.3     | 98.5     | 98.5     | 98.5 | 98.5     | 98.5     | 98.5     | 98.5 | 98.5     |  |
| GE 300   | 86.0 | 94.6                        | 95.6   | 97.5   | 98.3 | 98.3     | 98.3     | 98.3     | 98.3 | 98.3     | 98.9     | 98.9     | 98.9 | 98.9     | 98.9     | 98.9     | 98.9 | 98.9     |  |
| GE 200   | 86.0 | 94.6                        | 95.6   | 97.5   | 98.3 | 98.3     | 98.3     | 98.3     | 98.3 | 98.3     | 98.9     | 98.9     | 98.9 | 98.9     | 98.9     | 98.9     | 98.9 | 98.9     |  |
| GE 100   | 86.0 | 94.6                        | 95.6   | 97.5   | 98.3 | 98.3     | 98.3     | 98.3     | 98.3 | 98.3     | 98.9     | 98.9     | 98.9 | 98.9     | 98.9     | 98.9     | 98.9 | 98.9     |  |
| GE 0     | 86.0 | 94.6                        | 95.6   | 97.5   | 98.3 | 98.3     | 98.3     | 98.3     | 98.3 | 98.3     | 98.9     | 98.9     | 98.9 | 98.9     | 98.9     | 98.9     | 98.9 | 100.0    |  |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0600-0800

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 |
| NO CEIL               | 57.5                        | 60.2    | 60.3    | 60.5    | 60.5    | 60.5    | 60.5    | 60.5    | 60.5    | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.5     | 60.8     |
| GE 20000              | 64.6                        | 67.7    | 68.0    | 68.2    | 68.2    | 68.2    | 68.2    | 68.2    | 68.2    | 68.2     | 68.2     | 68.2     | 68.2     | 68.2     | 68.2     | 68.4     |
| GE 18000              | 65.5                        | 68.6    | 68.8    | 69.0    | 69.0    | 69.0    | 69.0    | 69.0    | 69.0    | 69.0     | 69.0     | 69.0     | 69.0     | 69.0     | 69.0     | 69.2     |
| GE 16000              | 65.8                        | 68.9    | 69.1    | 69.4    | 69.4    | 69.4    | 69.4    | 69.4    | 69.4    | 69.4     | 69.4     | 69.4     | 69.4     | 69.4     | 69.4     | 69.6     |
| GE 14000              | 66.6                        | 69.7    | 69.9    | 70.1    | 70.1    | 70.1    | 70.1    | 70.1    | 70.1    | 70.1     | 70.1     | 70.1     | 70.1     | 70.1     | 70.1     | 70.3     |
| GE 12000              | 68.4                        | 71.6    | 71.8    | 72.0    | 72.0    | 72.0    | 72.0    | 72.0    | 72.0    | 72.0     | 72.0     | 72.0     | 72.0     | 72.0     | 72.0     | 72.3     |
| GE 10000              | 70.0                        | 73.2    | 73.4    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7     | 73.7     | 73.7     | 73.7     | 73.7     | 73.7     | 73.9     |
| GE 9000               | 70.2                        | 73.4    | 73.7    | 73.9    | 73.9    | 73.9    | 73.9    | 73.9    | 73.9    | 73.9     | 73.9     | 73.9     | 73.9     | 73.9     | 73.9     | 74.1     |
| GE 8000               | 70.2                        | 75.3    | 75.5    | 75.7    | 75.7    | 75.7    | 75.7    | 75.7    | 75.7    | 75.7     | 75.7     | 75.7     | 75.7     | 75.7     | 75.7     | 75.9     |
| GE 7000               | 72.3                        | 75.5    | 75.7    | 75.9    | 75.9    | 75.9    | 75.9    | 75.9    | 75.9    | 75.9     | 75.9     | 75.9     | 75.9     | 75.9     | 75.9     | 76.1     |
| GE 6000               | 72.4                        | 75.8    | 76.1    | 76.3    | 76.3    | 76.3    | 76.3    | 76.3    | 76.3    | 76.3     | 76.3     | 76.3     | 76.3     | 76.3     | 76.3     | 76.6     |
| GE 5000               | 75.2                        | 78.8    | 79.1    | 79.6    | 79.6    | 79.6    | 79.6    | 79.6    | 79.6    | 79.6     | 79.6     | 79.6     | 79.6     | 79.6     | 79.6     | 79.8     |
| GE 4500               | 75.9                        | 79.9    | 80.3    | 80.8    | 80.8    | 80.8    | 80.8    | 80.8    | 80.8    | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 81.0     |
| GE 4000               | 77.2                        | 81.3    | 81.7    | 82.2    | 82.2    | 82.2    | 82.2    | 82.2    | 82.2    | 82.2     | 82.2     | 82.2     | 82.2     | 82.2     | 82.2     | 82.4     |
| GE 3500               | 77.5                        | 81.6    | 82.0    | 82.5    | 82.5    | 82.5    | 82.5    | 82.5    | 82.5    | 82.5     | 82.5     | 82.5     | 82.5     | 82.5     | 82.5     | 82.7     |
| GE 3000               | 79.4                        | 82.6    | 83.0    | 83.4    | 83.4    | 83.4    | 83.4    | 83.4    | 83.4    | 83.4     | 83.4     | 83.4     | 83.4     | 83.4     | 83.4     | 83.7     |
| GE 2500               | 79.9                        | 83.4    | 84.0    | 84.4    | 84.4    | 84.4    | 84.4    | 84.4    | 84.4    | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     | 84.6     |
| GE 2000               | 80.8                        | 86.1    | 86.7    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     | 87.4     |
| GE 1800               | 81.4                        | 87.0    | 87.5    | 88.1    | 88.1    | 88.1    | 88.1    | 88.1    | 88.1    | 88.1     | 88.1     | 88.1     | 88.1     | 88.1     | 88.1     | 88.3     |
| GE 1500               | 82.4                        | 88.5    | 89.0    | 89.7    | 89.7    | 89.7    | 89.7    | 89.7    | 89.7    | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     | 89.9     |
| GE 1200               | 83.3                        | 89.1    | 90.9    | 91.6    | 91.6    | 91.6    | 91.6    | 91.6    | 91.6    | 91.6     | 91.6     | 91.6     | 91.6     | 91.6     | 91.6     | 91.8     |
| GE 1000               | 83.5                        | 90.5    | 91.5    | 92.7    | 92.7    | 92.7    | 92.7    | 92.7    | 92.7    | 92.7     | 92.7     | 92.7     | 92.7     | 92.7     | 92.7     | 92.9     |
| GE 900                | 83.7                        | 91.3    | 92.3    | 93.5    | 93.5    | 93.5    | 93.5    | 93.5    | 93.5    | 93.5     | 93.5     | 93.5     | 93.5     | 93.5     | 93.5     | 93.8     |
| GE 800                | 83.8                        | 91.6    | 93.0    | 94.3    | 94.3    | 94.3    | 94.3    | 94.3    | 94.3    | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.5     |
| GE 700                | 83.9                        | 92.2    | 93.4    | 94.7    | 95.1    | 95.1    | 95.1    | 95.2    | 95.2    | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.4     |
| GE 600                | 83.9                        | 92.5    | 93.8    | 95.1    | 95.7    | 95.7    | 95.7    | 95.9    | 95.9    | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     | 96.1     |
| GE 500                | 83.9                        | 92.5    | 93.9    | 95.6    | 96.5    | 96.5    | 96.6    | 97.1    | 97.1    | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.3     |
| GE 400                | 83.9                        | 92.5    | 93.9    | 95.7    | 96.7    | 96.7    | 97.0    | 97.8    | 97.8    | 97.8     | 97.8     | 97.8     | 97.8     | 98.1     | 98.1     | 98.3     |
| GE 300                | 83.9                        | 92.5    | 93.9    | 95.7    | 96.9    | 96.9    | 97.2    | 98.1    | 98.1    | 98.1     | 98.2     | 98.2     | 98.2     | 98.5     | 98.5     | 98.7     |
| GE 200                | 83.9                        | 92.5    | 93.9    | 95.7    | 96.9    | 96.9    | 97.2    | 98.1    | 98.1    | 98.1     | 98.4     | 98.4     | 98.4     | 98.8     | 98.8     | 99.0     |
| GE 100                | 83.9                        | 92.5    | 93.9    | 95.7    | 96.9    | 96.9    | 97.2    | 98.1    | 98.1    | 98.1     | 98.5     | 98.5     | 98.5     | 98.9     | 99.2     | 99.7     |
| GE 0                  | 83.9                        | 92.5    | 93.9    | 95.7    | 96.9    | 96.9    | 97.2    | 98.1    | 98.1    | 98.1     | 98.5     | 98.5     | 98.9     | 99.2     | 99.5     | 100.0    |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYLESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0900-1100

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |            |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
|                       | GE<br>10                    | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 54.7                        | 54.9    | 54.9    | 54.9    | 54.9    | 54.9        | 54.9    | 54.9        | 54.9        | 54.9    | 54.9      | 54.9      | 54.9      | 54.9       | 54.9      | 54.9    |
| GE 20000              | 64.2                        | 65.2    | 65.2    | 65.2    | 65.2    | 65.2        | 65.2    | 65.2        | 65.2        | 65.2    | 65.2      | 65.2      | 65.2      | 65.2       | 65.2      | 65.2    |
| GE 16000              | 64.9                        | 65.9    | 65.9    | 65.9    | 65.9    | 65.9        | 65.9    | 65.9        | 65.9        | 65.9    | 65.9      | 65.9      | 65.9      | 65.9       | 65.9      | 65.9    |
| GE 14000              | 65.2                        | 66.2    | 66.2    | 66.2    | 66.2    | 66.2        | 66.2    | 66.2        | 66.2        | 66.2    | 66.2      | 66.2      | 66.2      | 66.2       | 66.2      | 66.2    |
| GE 12000              | 65.9                        | 67.1    | 67.1    | 67.1    | 67.1    | 67.1        | 67.1    | 67.1        | 67.1        | 67.1    | 67.1      | 67.1      | 67.1      | 67.1       | 67.1      | 67.1    |
| GE 10000              | 66.1                        | 67.4    | 67.4    | 67.4    | 67.4    | 67.4        | 67.4    | 67.4        | 67.4        | 67.4    | 67.4      | 67.4      | 67.4      | 67.4       | 67.4      | 67.4    |
| GE 8000               | 67.8                        | 71.1    | 71.3    | 71.3    | 71.3    | 71.3        | 71.3    | 71.3        | 71.3        | 71.3    | 71.3      | 71.3      | 71.3      | 71.3       | 71.3      | 71.3    |
| GE 7000               | 70.6                        | 71.9    | 72.2    | 72.2    | 72.2    | 72.2        | 72.2    | 72.2        | 72.2        | 72.2    | 72.2      | 72.2      | 72.2      | 72.2       | 72.2      | 72.2    |
| GE 6000               | 72.6                        | 72.9    | 74.1    | 74.1    | 74.1    | 74.1        | 74.1    | 74.1        | 74.1        | 74.1    | 74.1      | 74.1      | 74.1      | 74.1       | 74.1      | 74.1    |
| GE 5000               | 72.7                        | 74.0    | 74.2    | 74.2    | 74.2    | 74.2        | 74.2    | 74.2        | 74.2        | 74.2    | 74.2      | 74.2      | 74.2      | 74.2       | 74.2      | 74.2    |
| GE 4000               | 73.7                        | 74.9    | 75.2    | 75.2    | 75.2    | 75.2        | 75.2    | 75.2        | 75.2        | 75.2    | 75.2      | 75.2      | 75.2      | 75.2       | 75.2      | 75.2    |
| GE 3000               | 75.2                        | 76.8    | 77.0    | 77.0    | 77.0    | 77.0        | 77.0    | 77.0        | 77.0        | 77.0    | 77.0      | 77.0      | 77.0      | 77.0       | 77.0      | 77.0    |
| GE 2500               | 75.7                        | 77.7    | 78.0    | 78.0    | 78.0    | 78.0        | 78.0    | 78.0        | 78.0        | 78.0    | 78.0      | 78.0      | 78.0      | 78.0       | 78.0      | 78.0    |
| GE 2000               | 76.9                        | 78.9    | 79.1    | 79.1    | 79.1    | 79.1        | 79.1    | 79.1        | 79.1        | 79.1    | 79.1      | 79.1      | 79.1      | 79.1       | 79.1      | 79.1    |
| GE 1800               | 77.8                        | 79.9    | 80.2    | 80.2    | 80.2    | 80.2        | 80.2    | 80.2        | 80.2        | 80.2    | 80.2      | 80.2      | 80.2      | 80.2       | 80.2      | 80.2    |
| GE 1600               | 78.4                        | 80.4    | 80.9    | 80.9    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0       | 81.0      | 81.0    |
| GE 1400               | 79.9                        | 82.3    | 82.7    | 82.7    | 82.8    | 82.8        | 83.0    | 83.0        | 83.0        | 83.0    | 83.0      | 83.0      | 83.0      | 83.0       | 83.0      | 83.0    |
| GE 1200               | 83.2                        | 85.9    | 86.3    | 86.3    | 86.5    | 86.5        | 86.7    | 86.7        | 86.7        | 86.7    | 86.7      | 86.7      | 86.7      | 86.7       | 86.7      | 86.7    |
| GE 1000               | 83.7                        | 86.8    | 87.2    | 87.2    | 87.3    | 87.3        | 87.5    | 87.5        | 87.5        | 87.5    | 87.5      | 87.5      | 87.5      | 87.5       | 87.5      | 87.5    |
| GE 900                | 85.4                        | 89.0    | 89.5    | 89.5    | 89.6    | 89.6        | 89.8    | 89.8        | 89.8        | 89.8    | 89.8      | 89.8      | 89.8      | 89.8       | 89.8      | 89.8    |
| GE 800                | 86.8                        | 91.2    | 91.6    | 91.7    | 91.8    | 91.8        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0       | 92.0      | 92.0    |
| GE 700                | 86.9                        | 91.5    | 92.5    | 92.9    | 93.1    | 93.1        | 93.3    | 93.3        | 93.3        | 93.3    | 93.3      | 93.3      | 93.3      | 93.3       | 93.3      | 93.3    |
| GE 600                | 87.1                        | 92.6    | 93.5    | 94.0    | 94.2    | 94.2        | 94.4    | 94.4        | 94.4        | 94.4    | 94.4      | 94.4      | 94.4      | 94.4       | 94.4      | 94.4    |
| GE 500                | 87.3                        | 93.0    | 94.1    | 94.7    | 94.9    | 94.9        | 95.2    | 95.2        | 95.2        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2       | 95.2      | 95.2    |
| GE 400                | 87.3                        | 93.1    | 94.3    | 94.9    | 95.3    | 95.3        | 95.5    | 95.5        | 95.5        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5       | 95.5      | 95.5    |
| GE 300                | 87.3                        | 93.6    | 95.1    | 96.0    | 96.3    | 96.6        | 96.8    | 96.8        | 96.8        | 96.8    | 96.8      | 96.8      | 96.8      | 96.8       | 96.9      | 96.9    |
| GE 200                | 87.3                        | 93.9    | 95.2    | 96.2    | 96.9    | 97.1        | 97.5    | 97.6        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7       | 97.7      | 97.7    |
| GE 100                | 87.3                        | 94.0    | 95.3    | 96.3    | 97.1    | 97.3        | 97.7    | 97.8        | 98.0        | 98.1    | 98.1      | 98.1      | 98.1      | 98.1       | 98.1      | 98.1    |
| GE 50                 | 87.3                        | 94.0    | 95.3    | 96.3    | 97.1    | 97.3        | 97.7    | 97.8        | 98.0        | 98.1    | 98.1      | 98.1      | 98.1      | 98.1       | 98.1      | 98.1    |
| GE 20                 | 87.3                        | 94.0    | 95.3    | 96.3    | 97.1    | 97.3        | 97.7    | 97.8        | 98.0        | 98.1    | 98.1      | 98.1      | 98.1      | 98.1       | 98.1      | 98.1    |
| GE 10                 | 87.3                        | 94.0    | 95.3    | 96.3    | 97.1    | 97.3        | 97.7    | 97.8        | 98.0        | 98.1    | 98.1      | 98.1      | 98.1      | 98.1       | 98.1      | 98.1    |
| GE 5                  | 87.3                        | 94.0    | 95.3    | 96.3    | 97.1    | 97.3        | 97.7    | 97.8        | 98.0        | 98.1    | 98.1      | 98.1      | 98.1      | 98.1       | 98.1      | 98.1    |
| GE 2                  | 87.3                        | 94.0    | 95.3    | 96.3    | 97.1    | 97.3        | 97.7    | 97.8        | 98.0        | 98.1    | 98.1      | 98.1      | 98.1      | 98.1       | 98.1      | 98.1    |
| GE 1                  | 87.3                        | 94.0    | 95.3    | 96.3    | 97.1    | 97.3        | 97.7    | 97.8        | 98.0        | 98.1    | 98.1      | 98.1      | 98.1      | 98.1       | 98.1      | 98.1    |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): 1200-1400

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |
|----------|------|-----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| IN       | FEET | GE 1                        | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 | GE 16 |
|          |      | 1                           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
| NO CEIL  | 54.3 | 55.4                        | 55.7 | 56.0 | 56.1 | 56.1 | 56.1 | 56.2 | 56.3 | 56.3 | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  |
| GE 20000 | 67.0 | 68.5                        | 68.9 | 69.2 | 69.4 | 69.4 | 69.4 | 69.5 | 69.6 | 69.6 | 69.6  | 69.6  | 69.6  | 69.6  | 69.6  | 69.6  | 69.6  |
| GE 18000 | 67.5 | 69.0                        | 69.5 | 69.8 | 69.9 | 69.9 | 69.9 | 70.0 | 70.1 | 70.1 | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  |
| GE 16000 | 67.6 | 69.1                        | 69.6 | 69.9 | 70.0 | 70.0 | 70.0 | 70.1 | 70.2 | 70.2 | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  |
| GE 14000 | 68.9 | 70.4                        | 70.9 | 71.2 | 71.3 | 71.3 | 71.3 | 71.4 | 71.5 | 71.5 | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  |
| GE 12000 | 71.5 | 73.3                        | 73.8 | 74.1 | 74.2 | 74.2 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  |
| GE 10000 | 72.9 | 74.8                        | 75.3 | 75.6 | 75.7 | 75.7 | 75.7 | 75.8 | 75.9 | 75.9 | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  |
| GE 9000  | 73.1 | 75.1                        | 75.5 | 75.8 | 75.9 | 75.9 | 75.9 | 76.0 | 76.1 | 76.1 | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  |
| GE 8000  | 74.9 | 76.9                        | 77.4 | 77.7 | 77.8 | 77.8 | 77.8 | 78.0 | 78.1 | 78.1 | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  |
| GE 7000  | 76.5 | 77.4                        | 78.0 | 78.3 | 78.4 | 78.4 | 78.4 | 78.5 | 78.6 | 78.6 | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  |
| GE 6000  | 75.9 | 77.6                        | 78.4 | 78.7 | 78.8 | 78.8 | 78.8 | 78.9 | 79.0 | 79.0 | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  |
| GE 5000  | 76.6 | 78.7                        | 79.2 | 79.6 | 79.7 | 79.7 | 79.7 | 79.8 | 79.9 | 79.9 | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  |
| GE 4000  | 76.7 | 79.0                        | 79.7 | 80.0 | 80.1 | 80.1 | 80.1 | 80.2 | 80.3 | 80.3 | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  |
| GE 3000  | 78.3 | 80.8                        | 81.4 | 81.6 | 81.9 | 81.9 | 81.9 | 82.0 | 82.2 | 82.2 | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  |
| GE 2000  | 79.8 | 82.3                        | 82.9 | 83.3 | 83.4 | 83.4 | 83.4 | 83.5 | 83.7 | 83.7 | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  |
| GE 1000  | 81.4 | 83.9                        | 84.5 | 84.9 | 85.1 | 85.1 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  |
| GE 2000  | 83.4 | 86.2                        | 86.9 | 87.3 | 87.4 | 87.4 | 87.4 | 87.5 | 87.6 | 87.6 | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  |
| GE 1800  | 85.5 | 89.0                        | 89.7 | 90.1 | 90.2 | 90.2 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  |
| GE 1600  | 86.6 | 90.1                        | 90.6 | 91.2 | 91.3 | 91.3 | 91.3 | 91.4 | 91.5 | 91.5 | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  |
| GE 1400  | 86.9 | 91.7                        | 92.4 | 92.8 | 92.9 | 92.9 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  |
| GE 1200  | 87.4 | 93.0                        | 93.7 | 94.1 | 94.2 | 94.2 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  |
| GE 1000  | 87.9 | 94.2                        | 95.4 | 95.8 | 96.0 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  |
| GE 900   | 88.3 | 95.1                        | 96.2 | 96.7 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  |
| GE 800   | 88.4 | 95.5                        | 96.7 | 97.1 | 97.3 | 97.4 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  |
| GE 700   | 88.4 | 95.6                        | 96.8 | 97.2 | 97.4 | 97.6 | 97.6 | 97.8 | 98.0 | 98.0 | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| GE 600   | 88.5 | 95.8                        | 97.1 | 97.6 | 97.8 | 98.0 | 98.0 | 98.2 | 98.4 | 98.4 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| GE 500   | 88.5 | 96.0                        | 97.3 | 98.1 | 98.4 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 400   | 88.5 | 96.0                        | 97.3 | 98.1 | 98.4 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 300   | 88.5 | 96.0                        | 97.3 | 98.1 | 98.4 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 200   | 88.5 | 96.0                        | 97.3 | 98.1 | 98.4 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 100   | 88.5 | 96.0                        | 97.3 | 98.1 | 98.4 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 0     | 88.5 | 96.0                        | 97.3 | 98.1 | 98.4 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 1500-1700

| CEILING  |      |      |      |      |      |      |      | VISIBILITY IN STATUTE MILES |      |      |       |       |       |       |       |       |       |       |
|----------|------|------|------|------|------|------|------|-----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN       | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE                          | GE   | GE   | GE    | GE    | GE    | GE    | GE    | GE    | GE    | GE    |
| FEET     | 1    | 10   | 6    | 5    | 4    | 3    | 2    | 1 1/2                       | 1    | 1/2  | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 5/16  | 1/4   | 0     |
| NO CEIL  | 52.5 | 54.0 | 54.2 | 54.6 | 54.9 | 55.2 | 55.4 | 55.4                        | 55.6 | 55.6 | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  |
| GE 10000 | 69.0 | 71.1 | 71.5 | 72.5 | 72.6 | 72.8 | 73.0 | 73.0                        | 73.2 | 73.2 | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  |
| GE 16000 | 69.9 | 72.2 | 72.6 | 73.5 | 73.7 | 73.9 | 74.1 | 74.1                        | 74.3 | 74.3 | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  |
| GE 16000 | 70.1 | 72.4 | 72.8 | 73.8 | 73.9 | 74.1 | 74.3 | 74.3                        | 74.5 | 74.5 | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  |
| GE 14000 | 70.6 | 72.9 | 73.3 | 74.3 | 74.4 | 74.6 | 74.8 | 74.8                        | 75.1 | 75.1 | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  |
| GE 12000 | 72.0 | 74.3 | 74.7 | 75.7 | 75.7 | 75.8 | 76.0 | 76.2                        | 76.2 | 76.5 | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  |
| GE 10000 | 73.4 | 75.9 | 76.3 | 77.3 | 77.4 | 77.6 | 77.8 | 77.8                        | 78.1 | 78.1 | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  |
| GE 9000  | 77.5 | 76.0 | 76.5 | 77.4 | 77.5 | 77.7 | 78.0 | 78.0                        | 78.2 | 78.2 | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  |
| GE 8000  | 74.8 | 77.5 | 78.0 | 78.9 | 79.0 | 79.2 | 79.5 | 79.5                        | 79.7 | 79.7 | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  |
| GE 7000  | 75.3 | 78.0 | 78.4 | 79.4 | 79.5 | 79.7 | 79.9 | 79.9                        | 80.1 | 80.1 | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  |
| GE 6000  | 75.4 | 78.1 | 78.5 | 79.6 | 79.7 | 79.9 | 80.1 | 80.1                        | 80.3 | 80.3 | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  |
| GE 5000  | 76.5 | 79.7 | 80.1 | 81.3 | 81.4 | 81.6 | 81.8 | 81.8                        | 82.0 | 82.0 | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  |
| GE 4000  | 77.4 | 80.6 | 81.1 | 82.3 | 82.4 | 82.6 | 82.9 | 82.9                        | 83.1 | 83.1 | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  |
| GE 4000  | 80.3 | 83.7 | 84.2 | 85.5 | 85.7 | 85.9 | 86.2 | 86.2                        | 86.5 | 86.5 | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  |
| GE 3000  | 82.2 | 86.0 | 86.6 | 87.8 | 88.1 | 88.3 | 88.6 | 88.6                        | 88.8 | 88.8 | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  |
| GE 2000  | 84.5 | 88.4 | 88.9 | 90.3 | 90.5 | 90.6 | 91.1 | 91.1                        | 91.3 | 91.3 | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  |
| GE 2000  | 85.7 | 89.7 | 90.0 | 91.6 | 91.8 | 92.0 | 92.4 | 92.4                        | 92.6 | 92.6 | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  |
| GE 2000  | 86.5 | 91.3 | 91.8 | 93.3 | 93.5 | 93.6 | 94.1 | 94.1                        | 94.3 | 94.3 | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  |
| GE 1800  | 86.7 | 91.5 | 92.0 | 93.5 | 93.6 | 93.6 | 94.3 | 94.3                        | 94.5 | 94.5 | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  |
| GE 1500  | 87.0 | 92.5 | 93.0 | 94.6 | 94.6 | 94.6 | 95.4 | 95.4                        | 95.6 | 95.6 | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  |
| GE 1000  | 87.5 | 93.2 | 93.6 | 95.5 | 95.7 | 95.9 | 96.2 | 96.2                        | 96.5 | 96.5 | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  |
| GE 1000  | 88.0 | 93.5 | 94.5 | 96.3 | 96.6 | 96.6 | 97.1 | 97.1                        | 97.4 | 97.4 | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  |
| GE 800   | 88.0 | 93.8 | 94.5 | 96.5 | 96.7 | 96.9 | 97.2 | 97.2                        | 97.5 | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| GE 800   | 88.2 | 94.0 | 94.6 | 96.8 | 97.0 | 97.2 | 97.5 | 97.5                        | 97.8 | 97.8 | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  | 97.8  |
| GE 700   | 88.7 | 94.2 | 95.1 | 97.1 | 97.4 | 97.7 | 98.1 | 98.1                        | 98.4 | 98.4 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| GE 700   | 88.7 | 94.2 | 95.1 | 97.4 | 97.7 | 98.1 | 98.4 | 98.5                        | 98.8 | 98.8 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |
| GE 500   | 88.4 | 94.5 | 95.4 | 97.8 | 98.2 | 98.5 | 98.9 | 99.4                        | 99.8 | 99.8 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400   | 88.4 | 94.5 | 95.4 | 97.8 | 98.2 | 98.5 | 98.9 | 99.4                        | 99.8 | 99.8 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300   | 88.4 | 94.5 | 95.4 | 97.8 | 98.2 | 98.5 | 98.9 | 99.4                        | 99.8 | 99.8 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200   | 88.4 | 94.5 | 95.4 | 97.8 | 98.2 | 98.5 | 98.9 | 99.4                        | 99.8 | 99.8 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100   | 88.4 | 94.5 | 95.4 | 97.8 | 98.2 | 98.5 | 98.9 | 99.4                        | 99.8 | 99.8 | 99.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYEST AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1800-2000

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |             |         |         |         |         |         |         |         |         |          |          |          |          |          |          |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>1 1/2 | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 |
| NO CEIL               | 55.4                        | 50.2        | 60.5    | 60.9    | 60.9    | 61.0    | 61.2    | 61.3    | 61.6    | 61.6    | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     | 61.6     |
| GE 20000              | 70.4                        | 73.0        | 73.3    | 73.8    | 73.8    | 73.9    | 74.1    | 74.2    | 74.5    | 74.5    | 74.5     | 74.5     | 74.5     | 74.5     | 74.5     | 74.5     |
| GE 18000              | 70.6                        | 73.2        | 73.7    | 74.1    | 74.1    | 74.2    | 74.4    | 74.5    | 74.8    | 74.8    | 74.8     | 74.8     | 74.8     | 74.8     | 74.8     | 74.8     |
| GE 16000              | 71.0                        | 73.5        | 74.0    | 74.4    | 74.4    | 74.5    | 74.7    | 74.8    | 75.2    | 75.2    | 75.2     | 75.2     | 75.2     | 75.2     | 75.2     | 75.2     |
| GE 14000              | 73.1                        | 75.7        | 76.1    | 76.6    | 76.6    | 76.7    | 76.9    | 77.0    | 77.3    | 77.3    | 77.3     | 77.3     | 77.3     | 77.3     | 77.3     | 77.3     |
| GE 12000              | 74.6                        | 77.4        | 77.8    | 78.3    | 78.3    | 78.4    | 78.6    | 78.7    | 79.0    | 79.0    | 79.0     | 79.0     | 79.0     | 79.0     | 79.0     | 79.0     |
| GE 10000              | 75.9                        | 79.1        | 79.6    | 80.0    | 80.0    | 80.1    | 80.3    | 80.4    | 80.8    | 80.8    | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     |
| GE 9000               | 75.9                        | 79.1        | 79.6    | 80.0    | 80.0    | 80.1    | 80.3    | 80.4    | 80.8    | 80.8    | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     |
| GE 8000               | 77.3                        | 80.6        | 81.2    | 81.6    | 81.6    | 81.7    | 81.9    | 82.0    | 82.4    | 82.4    | 82.4     | 82.4     | 82.4     | 82.4     | 82.4     | 82.4     |
| GE 7000               | 78.0                        | 81.3        | 81.8    | 82.3    | 82.3    | 82.4    | 82.6    | 82.7    | 83.0    | 83.0    | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     |
| GE 6000               | 78.5                        | 81.8        | 82.4    | 82.8    | 82.8    | 82.9    | 83.1    | 83.2    | 83.5    | 83.5    | 83.5     | 83.5     | 83.5     | 83.5     | 83.5     | 83.5     |
| GE 5000               | 79.5                        | 83.2        | 83.8    | 84.3    | 84.3    | 84.4    | 84.6    | 84.7    | 85.1    | 85.1    | 85.1     | 85.1     | 85.2     | 85.2     | 85.2     | 85.2     |
| GE 4000               | 80.9                        | 84.9        | 85.5    | 86.0    | 86.0    | 86.1    | 86.3    | 86.5    | 86.8    | 86.8    | 86.8     | 86.8     | 86.9     | 86.9     | 86.9     | 86.9     |
| GE 3000               | 81.9                        | 86.5        | 87.0    | 87.6    | 87.6    | 87.7    | 88.0    | 88.1    | 88.4    | 88.4    | 88.4     | 88.4     | 88.5     | 88.5     | 88.5     | 88.5     |
| GE 2000               | 82.7                        | 87.7        | 88.3    | 88.9    | 88.9    | 89.0    | 89.2    | 89.4    | 89.7    | 89.7    | 89.7     | 89.7     | 89.8     | 89.8     | 89.8     | 89.8     |
| GE 1000               | 84.2                        | 89.6        | 90.2    | 91.0    | 91.0    | 91.1    | 91.3    | 91.4    | 91.7    | 91.7    | 91.7     | 91.7     | 91.8     | 91.8     | 91.8     | 91.8     |
| GE 2000               | 84.3                        | 90.0        | 90.6    | 91.4    | 91.4    | 91.5    | 91.7    | 91.8    | 92.2    | 92.2    | 92.2     | 92.2     | 92.3     | 92.3     | 92.3     | 92.3     |
| GE 2000               | 86.2                        | 92.3        | 92.9    | 93.7    | 93.7    | 93.8    | 94.0    | 94.1    | 94.4    | 94.4    | 94.4     | 94.4     | 94.5     | 94.5     | 94.5     | 94.5     |
| GE 1800               | 86.5                        | 92.7        | 93.3    | 94.2    | 94.2    | 94.3    | 94.5    | 94.6    | 94.9    | 94.9    | 94.9     | 94.9     | 95.1     | 95.1     | 95.1     | 95.1     |
| GE 1600               | 86.9                        | 93.4        | 94.3    | 95.1    | 95.2    | 95.3    | 95.5    | 95.6    | 95.9    | 95.9    | 95.9     | 95.9     | 96.0     | 96.0     | 96.0     | 96.0     |
| GE 1400               | 87.0                        | 93.9        | 94.7    | 95.6    | 95.6    | 95.7    | 95.9    | 96.0    | 96.3    | 96.3    | 96.3     | 96.3     | 96.5     | 96.5     | 96.5     | 96.5     |
| GE 1000               | 87.6                        | 94.6        | 95.5    | 96.3    | 96.3    | 96.5    | 96.7    | 96.8    | 97.2    | 97.2    | 97.2     | 97.2     | 97.3     | 97.3     | 97.3     | 97.4     |
| GE 900                | 87.8                        | 95.1        | 96.1    | 97.1    | 97.1    | 97.2    | 97.4    | 97.5    | 98.0    | 98.0    | 98.0     | 98.0     | 98.1     | 98.1     | 98.1     | 98.2     |
| GE 800                | 88.1                        | 95.3        | 96.3    | 97.3    | 97.3    | 97.4    | 97.6    | 97.7    | 98.2    | 98.2    | 98.2     | 98.2     | 98.3     | 98.3     | 98.3     | 98.4     |
| GE 700                | 88.2                        | 95.4        | 96.5    | 97.4    | 97.4    | 97.5    | 97.7    | 97.8    | 98.3    | 98.3    | 98.3     | 98.3     | 98.4     | 98.4     | 98.4     | 98.5     |
| GE 600                | 88.3                        | 95.6        | 96.6    | 97.7    | 97.7    | 97.8    | 98.1    | 98.3    | 98.7    | 98.7    | 98.7     | 98.7     | 98.8     | 98.8     | 98.8     | 98.9     |
| GE 500                | 88.3                        | 95.9        | 97.1    | 98.2    | 98.2    | 98.4    | 98.7    | 99.0    | 99.6    | 99.6    | 99.6     | 99.6     | 99.7     | 99.7     | 99.7     | 99.8     |
| GE 400                | 88.3                        | 95.9        | 97.1    | 98.2    | 98.2    | 98.4    | 98.7    | 99.1    | 99.7    | 99.7    | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.9     |
| GE 300                | 88.7                        | 95.9        | 97.1    | 98.2    | 98.3    | 98.5    | 98.9    | 99.2    | 99.8    | 99.8    | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    |
| GE 200                | 88.3                        | 95.9        | 97.1    | 98.2    | 98.3    | 98.5    | 98.9    | 99.2    | 99.8    | 99.8    | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    |
| GE 100                | 88.7                        | 95.9        | 97.1    | 98.2    | 98.3    | 98.5    | 98.9    | 99.2    | 99.8    | 99.8    | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    |
| GE 0                  | 88.3                        | 95.9        | 97.1    | 98.2    | 98.3    | 98.5    | 98.9    | 99.2    | 99.8    | 99.8    | 99.8     | 99.8     | 99.9     | 99.9     | 99.9     | 100.0    |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702605 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 2100-2300

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                       | 1                           | 1/2  | 3/4  | 1    | 1/2  | 3/4  | 1    | 1/2  | 3/4  | 1    | 1/2  | 3/4  | 1    | 1/2  | 3/4  | 1    |
| NO CEIL               | 66.2                        | 66.3 | 68.4 | 68.5 | 68.5 | 68.5 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| GE 20000              | 74.1                        | 76.5 | 76.6 | 76.8 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 18000              | 74.3                        | 76.7 | 76.9 | 77.1 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 16000              | 74.3                        | 76.7 | 76.9 | 77.1 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 14000              | 74.5                        | 76.9 | 77.1 | 77.3 | 77.3 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 12000              | 75.7                        | 78.1 | 78.3 | 78.5 | 78.5 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 10000              | 77.3                        | 80.2 | 80.4 | 80.6 | 80.6 | 80.6 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 9000               | 77.4                        | 80.3 | 80.5 | 80.8 | 80.8 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 8000               | 78.2                        | 81.3 | 81.5 | 81.8 | 81.8 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 7000               | 79.5                        | 81.6 | 81.8 | 82.2 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 6000               | 78.9                        | 82.2 | 82.4 | 82.7 | 82.7 | 82.7 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 5000               | 81.1                        | 84.9 | 85.3 | 85.7 | 85.8 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 4500               | 82.2                        | 86.7 | 87.0 | 87.4 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 4000               | 83.2                        | 88.2 | 88.5 | 88.9 | 89.0 | 89.0 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 3500               | 87.9                        | 89.8 | 89.1 | 89.6 | 89.7 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 3000               | 84.6                        | 85.7 | 90.0 | 90.4 | 90.6 | 90.6 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 2500               | 84.8                        | 90.0 | 90.4 | 90.9 | 91.1 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 2000               | 86.3                        | 91.8 | 92.3 | 92.7 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 1800               | 86.7                        | 92.2 | 92.6 | 93.0 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 1600               | 87.5                        | 93.3 | 93.8 | 94.2 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 1400               | 86.5                        | 94.6 | 95.2 | 95.6 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 1200               | 88.7                        | 95.5 | 96.0 | 96.5 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 1000               | 88.9                        | 95.7 | 96.2 | 96.8 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 900                | 89.0                        | 95.9 | 96.7 | 97.2 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 800                | 89.0                        | 96.7 | 97.5 | 98.1 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 700                | 89.1                        | 96.9 | 97.8 | 98.4 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 600                | 89.1                        | 97.1 | 98.1 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 500                | 89.1                        | 97.1 | 98.1 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400                | 89.1                        | 97.1 | 98.1 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300                | 89.1                        | 97.1 | 98.1 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200                | 89.1                        | 97.1 | 98.1 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100                | 89.1                        | 97.1 | 98.1 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 0                  | 89.1                        | 97.1 | 98.1 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(IST): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|----------|------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| IN       | FEET | 1                           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17    |
| FEET     | 1    | 2                           | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18    |
| NO CEIL  | 1    | 57.5                        | 61.0 | 61.2 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8  |
| GE 20000 | 1    | 69.4                        | 71.4 | 71.6 | 72.0 | 72.0 | 72.0 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.3  |
| GE 18000 | 1    | 69.9                        | 72.0 | 72.2 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.9  |
| GE 16000 | 1    | 70.1                        | 72.2 | 72.5 | 72.8 | 72.6 | 72.9 | 72.9 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1  |
| GE 14000 | 1    | 71.0                        | 73.1 | 73.3 | 73.6 | 73.7 | 73.7 | 73.7 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9  |
| GE 12000 | 1    | 72.5                        | 74.7 | 75.0 | 75.3 | 75.3 | 75.4 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6  |
| GE 10000 | 1    | 74.0                        | 76.4 | 76.6 | 76.9 | 77.0 | 77.0 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.3  |
| GE 9000  | 1    | 74.2                        | 76.6 | 76.8 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5  |
| GE 8000  | 1    | 75.4                        | 77.9 | 78.2 | 78.6 | 78.6 | 78.6 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9  |
| GE 7000  | 1    | 75.8                        | 78.4 | 78.6 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3  |
| GE 6000  | 1    | 76.3                        | 78.9 | 79.2 | 79.5 | 79.6 | 79.6 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8  |
| GE 5000  | 1    | 77.9                        | 80.8 | 81.2 | 81.6 | 81.7 | 81.7 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9  |
| GE 4000  | 1    | 78.7                        | 82.0 | 82.4 | 82.8 | 82.9 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2  |
| GE 3000  | 1    | 80.2                        | 83.7 | 84.1 | 84.6 | 84.7 | 84.7 | 84.8 | 84.8 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0  |
| GE 2000  | 1    | 81.1                        | 84.6 | 85.2 | 85.7 | 85.8 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1  |
| GE 1000  | 1    | 82.2                        | 86.0 | 86.5 | 87.0 | 87.1 | 87.2 | 87.2 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4  |
| GE 2500  | 1    | 83.1                        | 87.2 | 87.7 | 88.2 | 88.4 | 88.4 | 88.5 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7  |
| GE 2000  | 1    | 84.9                        | 89.4 | 90.0 | 90.5 | 90.7 | 90.7 | 90.8 | 90.8 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  |
| GE 1800  | 1    | 85.3                        | 90.0 | 90.6 | 91.1 | 91.3 | 91.3 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6  |
| GE 1600  | 1    | 86.1                        | 91.4 | 92.0 | 92.6 | 92.7 | 92.6 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1  |
| GE 1400  | 1    | 86.8                        | 92.6 | 93.3 | 94.0 | 94.1 | 94.1 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4  |
| GE 1200  | 1    | 87.1                        | 93.4 | 94.2 | 95.0 | 95.2 | 95.2 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6  |
| GE 1000  | 1    | 87.2                        | 93.9 | 94.8 | 95.7 | 95.9 | 95.9 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3  |
| GE 900   | 1    | 87.4                        | 94.3 | 95.2 | 96.1 | 96.3 | 96.4 | 96.5 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7  |
| GE 800   | 1    | 87.5                        | 94.5 | 95.6 | 96.5 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8  |
| GE 700   | 1    | 87.5                        | 94.6 | 95.9 | 97.0 | 97.3 | 97.4 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9  |
| GE 600   | 1    | 87.5                        | 95.0 | 96.2 | 97.5 | 97.9 | 98.1 | 98.3 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9  |
| GE 500   | 1    | 87.5                        | 95.1 | 96.2 | 97.6 | 98.1 | 98.3 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3  |
| GE 400   | 1    | 87.5                        | 95.1 | 96.3 | 97.7 | 98.3 | 98.5 | 98.8 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  |
| GE 300   | 1    | 87.5                        | 95.1 | 96.3 | 97.7 | 98.3 | 98.5 | 98.8 | 99.1 | 99.2 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  |
| GE 200   | 1    | 87.5                        | 95.1 | 96.3 | 97.7 | 98.3 | 98.5 | 98.8 | 99.1 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9  |
| GE 100   | 1    | 87.5                        | 95.1 | 96.3 | 97.7 | 98.3 | 98.5 | 98.8 | 99.1 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7940

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0000-0200

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |          |         |         |         |         |             |         |             |             |         |           |           |           |            |           |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
|                       | GE<br>1                     | GE<br>10 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 |
| NO CEIL               | 65.7                        | 71.4     | 72.2    | 72.2    | 72.3    | 72.3    | 72.3        | 72.3    | 72.4        | 72.4        | 72.4    | 72.4      | 72.4      | 72.4      | 72.4       | 72.4      |
| GE 20000              | 75.2                        | 78.9     | 79.7    | 79.7    | 79.8    | 79.8    | 79.8        | 79.9    | 79.9        | 79.9        | 79.9    | 79.9      | 79.9      | 79.9      | 79.9       | 79.9      |
| GE 18000              | 75.2                        | 78.9     | 79.7    | 79.7    | 79.8    | 79.8    | 79.8        | 79.9    | 79.9        | 79.9        | 79.9    | 79.9      | 79.9      | 79.9      | 79.9       | 79.9      |
| GE 16000              | 75.2                        | 78.9     | 79.7    | 79.7    | 79.8    | 79.8    | 79.8        | 79.9    | 79.9        | 79.9        | 79.9    | 79.9      | 79.9      | 79.9      | 79.9       | 79.9      |
| GE 14000              | 75.2                        | 78.9     | 79.7    | 79.7    | 79.8    | 79.8    | 79.8        | 79.9    | 79.9        | 79.9        | 79.9    | 79.9      | 79.9      | 79.9      | 79.9       | 79.9      |
| GE 12000              | 75.2                        | 78.9     | 79.7    | 79.7    | 79.8    | 79.8    | 79.8        | 79.9    | 79.9        | 79.9        | 79.9    | 79.9      | 79.9      | 79.9      | 79.9       | 79.9      |
| GE 10000              | 77.4                        | 81.3     | 82.1    | 82.2    | 82.3    | 82.3    | 82.3        | 82.6    | 82.6        | 82.7        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7       | 82.7      |
| GE 9000               | 77.7                        | 81.6     | 82.3    | 82.4    | 82.6    | 82.6    | 82.6        | 82.8    | 82.8        | 82.9        | 82.9    | 82.9      | 82.9      | 82.9      | 82.9       | 82.9      |
| GE 8000               | 79.1                        | 83.1     | 83.9    | 84.0    | 84.1    | 84.1    | 84.1        | 84.3    | 84.3        | 84.4        | 84.4    | 84.4      | 84.4      | 84.4      | 84.4       | 84.4      |
| GE 7000               | 79.7                        | 83.9     | 84.7    | 84.8    | 84.9    | 84.9    | 84.9        | 85.1    | 85.1        | 85.2        | 85.2    | 85.2      | 85.2      | 85.2      | 85.2       | 85.2      |
| GE 6000               | 79.9                        | 84.0     | 84.8    | 84.9    | 85.0    | 85.0    | 85.0        | 85.2    | 85.2        | 85.3        | 85.3    | 85.3      | 85.3      | 85.3      | 85.3       | 85.3      |
| GE 5000               | 81.7                        | 85.8     | 86.6    | 86.7    | 86.8    | 86.8    | 86.8        | 87.0    | 87.0        | 87.1        | 87.1    | 87.1      | 87.1      | 87.1      | 87.1       | 87.1      |
| GE 4500               | 82.4                        | 86.7     | 87.4    | 87.5    | 87.7    | 87.7    | 87.7        | 87.9    | 87.9        | 88.0        | 88.0    | 88.0      | 88.0      | 88.0      | 88.0       | 88.0      |
| GE 4000               | 83.4                        | 87.9     | 88.8    | 89.2    | 89.3    | 89.3    | 89.3        | 89.7    | 89.6        | 89.7        | 89.7    | 89.7      | 89.7      | 89.7      | 89.7       | 89.7      |
| GE 3500               | 84.7                        | 88.7     | 89.6    | 90.0    | 90.1    | 90.1    | 90.1        | 90.3    | 90.3        | 90.4        | 90.4    | 90.4      | 90.4      | 90.4      | 90.4       | 90.4      |
| GE 3000               | 85.4                        | 90.0     | 90.9    | 91.4    | 91.6    | 91.6    | 91.6        | 91.8    | 91.8        | 91.9        | 91.9    | 91.9      | 91.9      | 91.9      | 91.9       | 91.9      |
| GE 2500               | 86.8                        | 91.7     | 92.6    | 93.1    | 93.2    | 93.2    | 93.2        | 93.4    | 93.4        | 93.6        | 93.6    | 93.6      | 93.6      | 93.6      | 93.6       | 93.6      |
| GE 2000               | 87.2                        | 92.6     | 93.4    | 94.0    | 94.1    | 94.1    | 94.1        | 94.3    | 94.3        | 94.4        | 94.4    | 94.4      | 94.4      | 94.4      | 94.4       | 94.4      |
| GE 1800               | 87.6                        | 92.9     | 93.8    | 94.3    | 94.4    | 94.4    | 94.4        | 94.7    | 94.7        | 94.8        | 94.8    | 94.8      | 94.8      | 94.8      | 94.8       | 94.8      |
| GE 1600               | 88.0                        | 93.7     | 94.6    | 95.1    | 95.2    | 95.2    | 95.2        | 95.4    | 95.4        | 95.6        | 95.6    | 95.6      | 95.6      | 95.6      | 95.6       | 95.6      |
| GE 1400               | 88.3                        | 94.1     | 95.0    | 95.6    | 95.7    | 95.7    | 95.7        | 95.9    | 95.9        | 96.0        | 96.0    | 96.0      | 96.0      | 96.0      | 96.0       | 96.0      |
| GE 1200               | 89.4                        | 94.9     | 95.9    | 96.8    | 96.9    | 96.9    | 96.9        | 97.1    | 97.1        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2       | 97.2      |
| GE 1000               | 89.4                        | 95.2     | 96.2    | 97.2    | 97.3    | 97.3    | 97.3        | 97.6    | 97.6        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7       | 97.7      |
| GE 900                | 89.6                        | 95.6     | 96.8    | 97.8    | 97.9    | 97.9    | 97.9        | 98.1    | 98.1        | 98.2        | 98.2    | 98.2      | 98.2      | 98.2      | 98.2       | 98.2      |
| GE 800                | 89.6                        | 95.9     | 97.1    | 98.1    | 98.2    | 98.2    | 98.2        | 98.4    | 98.4        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6       | 98.6      |
| GE 700                | 89.8                        | 96.3     | 97.6    | 98.6    | 98.7    | 98.7    | 98.7        | 98.9    | 98.9        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0       | 99.0      |
| GE 600                | 89.8                        | 96.7     | 97.9    | 99.0    | 99.2    | 99.2    | 99.2        | 99.4    | 99.4        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      |
| GE 500                | 89.8                        | 96.7     | 98.0    | 99.1    | 99.3    | 99.3    | 99.3        | 99.6    | 99.6        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      |
| GE 400                | 89.8                        | 96.7     | 98.0    | 99.1    | 99.3    | 99.3    | 99.3        | 99.6    | 99.6        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      |
| GE 300                | 89.8                        | 96.7     | 98.0    | 99.1    | 99.3    | 99.3    | 99.3        | 99.6    | 99.6        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      |
| GE 200                | 89.8                        | 96.7     | 98.0    | 99.1    | 99.3    | 99.3    | 99.3        | 99.6    | 99.6        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      |
| GE 100                | 89.8                        | 96.7     | 98.0    | 99.1    | 99.3    | 99.3    | 99.3        | 99.6    | 99.6        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      |
| GE 0                  | 89.8                        | 96.7     | 98.0    | 99.1    | 99.3    | 99.3    | 99.3        | 99.6    | 99.6        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 100.0     |

TOTAL NUMBER OF OBSERVATIONS: 200



GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 720466 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0300-0500

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |       |      |       |       |      |      |      |      |      |       |
|----------|------|-----------------------------|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|
| IN       | FEET | 1                           | CL   | GE   | GE   | GE   | GE   | GE    | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE    |
|          |      | 1                           | 10   | 6    | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4   |
|          |      |                             |      |      |      |      |      |       |      |       |       |      |      |      |      |      | 0     |
| NO CEIL  | 1    | 68.7                        |      | 71.7 | 71.9 | 72.1 | 72.2 | 72.2  | 72.2 | 72.2  | 72.2  | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2  |
| GE 20000 | 1    | 72.7                        | 76.4 | 76.8 | 77.3 | 77.1 | 77.1 | 77.1  | 77.1 | 77.1  | 77.1  | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  |
| GE 18000 | 1    | 72.7                        | 76.4 | 76.6 | 77.0 | 77.1 | 77.1 | 77.1  | 77.1 | 77.1  | 77.1  | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  |
| GE 16000 | 1    | 72.7                        | 76.4 | 76.2 | 77.0 | 77.1 | 77.1 | 77.1  | 77.1 | 77.1  | 77.1  | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  |
| GE 14000 | 1    | 72.9                        | 76.7 | 77.0 | 77.2 | 77.3 | 77.3 | 77.3  | 77.3 | 77.3  | 77.3  | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3  |
| GE 12000 | 1    | 73.2                        | 77.2 | 77.6 | 77.6 | 77.9 | 77.9 | 77.9  | 77.9 | 77.9  | 77.9  | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9  |
| GE 10000 | 1    | 73.9                        | 77.9 | 78.2 | 78.6 | 79.7 | 78.7 | 78.7  | 78.7 | 78.7  | 78.7  | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7  |
| GE 9000  | 1    | 74.0                        | 78.0 | 78.3 | 78.7 | 78.8 | 78.6 | 78.8  | 78.8 | 78.8  | 78.8  | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8  |
| GE 8000  | 1    | 75.6                        | 79.6 | 79.9 | 80.2 | 80.3 | 80.3 | 80.3  | 80.3 | 80.3  | 80.3  | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3  |
| GE 7000  | 1    | 75.8                        | 79.8 | 80.1 | 80.4 | 80.6 | 80.6 | 80.6  | 80.6 | 80.6  | 80.6  | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6  |
| GE 6000  | 1    | 76.4                        | 80.4 | 80.8 | 81.1 | 81.2 | 81.2 | 81.2  | 81.2 | 81.2  | 81.2  | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2  |
| GE 5000  | 1    | 78.4                        | 82.4 | 82.6 | 83.1 | 83.2 | 83.2 | 83.2  | 83.2 | 83.2  | 83.2  | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2  |
| GE 4500  | 1    | 78.9                        | 82.9 | 83.2 | 83.7 | 83.8 | 83.8 | 83.8  | 83.8 | 83.8  | 83.8  | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8  |
| GE 4000  | 1    | 80.4                        | 85.1 | 85.4 | 85.9 | 86.0 | 86.0 | 86.0  | 86.0 | 86.0  | 86.0  | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0  |
| GE 3500  | 1    | 81.0                        | 85.7 | 86.3 | 86.6 | 86.7 | 86.7 | 86.7  | 86.7 | 86.7  | 86.7  | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7  |
| GE 3000  | 1    | 81.6                        | 86.4 | 86.8 | 87.6 | 87.7 | 87.7 | 87.7  | 87.7 | 87.7  | 87.7  | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7  |
| GE 2500  | 1    | 82.3                        | 86.1 | 88.4 | 89.2 | 89.3 | 89.3 | 89.3  | 89.3 | 89.3  | 89.3  | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3  |
| GE 2000  | 1    | 84.4                        | 89.6 | 89.9 | 90.7 | 90.8 | 90.8 | 90.8  | 90.8 | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8  |
| GE 1800  | 1    | 85.0                        | 90.2 | 90.6 | 91.3 | 91.4 | 91.4 | 91.4  | 91.4 | 91.4  | 91.4  | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4  |
| GE 1600  | 1    | 86.4                        | 91.8 | 92.2 | 93.3 | 93.4 | 93.4 | 93.4  | 93.4 | 93.4  | 93.4  | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4  |
| GE 1400  | 1    | 86.8                        | 92.6 | 93.2 | 94.4 | 94.6 | 94.6 | 94.6  | 94.6 | 94.6  | 94.6  | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6  |
| GE 1200  | 1    | 87.1                        | 92.8 | 94.4 | 95.6 | 95.9 | 95.9 | 95.9  | 95.9 | 95.9  | 95.9  | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9  |
| GE 1000  | 1    | 87.2                        | 94.4 | 95.1 | 96.6 | 96.7 | 96.7 | 96.7  | 96.7 | 96.7  | 96.7  | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7  |
| GE 900   | 1    | 87.3                        | 95.4 | 96.1 | 97.8 | 97.9 | 97.9 | 97.9  | 97.9 | 97.9  | 97.9  | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9  |
| GE 800   | 1    | 87.7                        | 96.1 | 96.8 | 98.6 | 98.6 | 98.8 | 98.8  | 98.8 | 98.8  | 98.8  | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8  |
| GE 700   | 1    | 87.7                        | 96.1 | 96.9 | 96.7 | 98.9 | 98.9 | 98.9  | 98.9 | 98.9  | 98.9  | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9  |
| GE 600   | 1    | 87.8                        | 96.4 | 97.2 | 99.1 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  |
| GE 500   | 1    | 87.8                        | 96.4 | 97.3 | 99.3 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  |
| GE 400   | 1    | 87.8                        | 96.4 | 97.3 | 99.3 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  |
| GE 300   | 1    | 87.8                        | 96.4 | 97.3 | 99.3 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  |
| GE 200   | 1    | 87.8                        | 96.4 | 97.3 | 99.3 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  |
| GE 100   | 1    | 87.8                        | 96.4 | 97.3 | 99.3 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  |
| GE 0     | 1    | 87.8                        | 96.4 | 97.3 | 99.3 | 99.6 | 99.6 | 99.6  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 0600-0600

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |             |         |         |         |         |         |         |         |         |          |          |          |          |          |          |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>1 1/4 | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 |
| NO CEIL               | 59.1                        | 61.9        | 62.2    | 62.3    | 62.4    | 62.4    | 62.4    | 62.8    | 62.9    | 62.9    | 62.9     | 62.9     | 62.9     | 62.9     | 62.9     | 62.9     |
| GE 20000              | 64.1                        | 67.6        | 68.0    | 68.2    | 68.3    | 68.3    | 68.7    | 68.9    | 68.9    | 68.9    | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     |
| GE 18000              | 64.3                        | 67.8        | 68.2    | 68.4    | 68.6    | 68.6    | 68.9    | 69.1    | 69.1    | 69.1    | 69.1     | 69.1     | 69.1     | 69.1     | 69.1     | 69.1     |
| GE 16000              | 64.3                        | 67.8        | 68.2    | 68.4    | 68.6    | 68.6    | 68.9    | 69.1    | 69.1    | 69.1    | 69.1     | 69.1     | 69.1     | 69.1     | 69.1     | 69.1     |
| GE 14000              | 64.9                        | 68.3        | 68.8    | 69.0    | 69.1    | 69.1    | 69.4    | 69.7    | 69.7    | 69.7    | 69.7     | 69.7     | 69.7     | 69.7     | 69.7     | 69.7     |
| GE 12000              | 66.1                        | 69.9        | 70.3    | 70.6    | 70.7    | 70.7    | 71.0    | 71.2    | 71.2    | 71.2    | 71.2     | 71.2     | 71.2     | 71.2     | 71.2     | 71.2     |
| GE 10000              | 67.8                        | 71.7        | 72.1    | 72.6    | 72.7    | 72.7    | 73.1    | 73.3    | 73.3    | 73.3    | 73.3     | 73.3     | 73.3     | 73.3     | 73.3     | 73.3     |
| GE 9000               | 68.0                        | 71.9        | 72.3    | 72.8    | 72.9    | 72.9    | 73.2    | 73.6    | 73.6    | 73.6    | 73.6     | 73.6     | 73.6     | 73.6     | 73.6     | 73.6     |
| GE 8000               | 70.0                        | 73.9        | 74.3    | 74.8    | 74.9    | 74.9    | 75.2    | 75.6    | 75.6    | 75.6    | 75.6     | 75.6     | 75.6     | 75.6     | 75.6     | 75.6     |
| GE 7000               | 71.1                        | 75.0        | 75.4    | 75.9    | 76.0    | 76.0    | 76.3    | 76.7    | 76.7    | 76.7    | 76.7     | 76.7     | 76.7     | 76.7     | 76.7     | 76.7     |
| GE 6000               | 72.0                        | 75.9        | 76.3    | 76.8    | 76.9    | 76.9    | 77.2    | 77.6    | 77.6    | 77.6    | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     |
| GE 5000               | 74.3                        | 78.6        | 79.0    | 79.7    | 79.8    | 79.8    | 80.1    | 80.4    | 80.4    | 80.4    | 80.4     | 80.4     | 80.4     | 80.4     | 80.4     | 80.4     |
| GE 4500               | 76.0                        | 79.7        | 80.1    | 80.9    | 81.0    | 81.0    | 81.3    | 81.7    | 81.7    | 81.7    | 81.7     | 81.7     | 81.7     | 81.7     | 81.7     | 81.7     |
| GE 4000               | 77.0                        | 80.1        | 80.6    | 81.6    | 81.7    | 81.7    | 82.0    | 82.3    | 82.3    | 82.3    | 82.3     | 82.3     | 82.3     | 82.3     | 82.3     | 82.3     |
| GE 3500               | 78.0                        | 81.1        | 81.6    | 82.9    | 83.0    | 83.0    | 83.3    | 83.7    | 83.7    | 83.7    | 83.7     | 83.7     | 83.7     | 83.7     | 83.7     | 83.7     |
| GE 3000               | 78.6                        | 81.7        | 82.1    | 83.4    | 83.5    | 83.5    | 83.8    | 84.3    | 84.3    | 84.3    | 84.3     | 84.3     | 84.3     | 84.3     | 84.3     | 84.3     |
| GE 2500               | 79.7                        | 82.6        | 83.0    | 84.5    | 84.6    | 84.6    | 84.9    | 85.4    | 85.4    | 85.4    | 85.4     | 85.4     | 85.4     | 85.4     | 85.4     | 85.4     |
| GE 2000               | 81.7                        | 84.0        | 84.4    | 86.0    | 86.1    | 86.1    | 86.4    | 86.9    | 86.9    | 86.9    | 86.9     | 86.9     | 86.9     | 86.9     | 86.9     | 86.9     |
| GE 1800               | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 1600               | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 1400               | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 1200               | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 1000               | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 900                | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 800                | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 700                | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 600                | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 500                | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 400                | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 300                | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 200                | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 100                | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |
| GE 0                  | 81.8                        | 84.1        | 84.5    | 86.2    | 86.3    | 86.3    | 86.6    | 87.1    | 87.1    | 87.1    | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     | 87.1     |

TOTAL NUMBER OF OBSERVATIONS: 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 7A-27  
MONTH: APR HOURS(EST): 0900-1100

| CEILING |      | VISIBILITY IN STATUTE MILES |      |      |      |      |       |      |       |       |      |        |      |      |      |      |      |
|---------|------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|--------|------|------|------|------|------|
| FEET    | 10   | 6                           | 5    | 4    | 3    | 2    | 1 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4    | 5/8  | 1/2  | 5/16 | 1/4  | 0    |
| 50      | 63.0 | 63.0                        | 63.2 | 63.3 | 63.4 | 63.4 | 63.4  | 63.4 | 63.4  | 63.4  | 63.6 | 63.6   | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 |
| 100     | 63.0 | 63.0                        | 71.2 | 71.4 | 71.6 | 71.6 | 71.8  | 71.9 | 71.8  | 71.8  | 71.9 | 71.9   | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 |
| 150     | 63.0 | 63.0                        | 71.3 | 71.6 | 71.7 | 71.9 | 71.9  | 71.9 | 71.9  | 71.9  | 72.0 | 72.0   | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 |
| 200     | 63.0 | 63.0                        | 71.4 | 71.7 | 71.6 | 72.0 | 72.0  | 72.0 | 72.0  | 72.0  | 72.1 | 72.1   | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 |
| 250     | 63.0 | 63.0                        | 71.5 | 71.8 | 72.3 | 72.4 | 72.7  | 72.7 | 72.7  | 72.7  | 72.8 | 72.8   | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 |
| 300     | 63.0 | 63.0                        | 71.7 | 72.1 | 73.4 | 73.6 | 73.6  | 73.6 | 73.6  | 73.6  | 73.9 | 73.9   | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 |
| 350     | 63.0 | 63.0                        | 71.8 | 72.2 | 75.7 | 76.0 | 76.1  | 76.2 | 76.3  | 76.3  | 76.4 | 76.4   | 76.4 | 76.6 | 76.6 | 76.6 | 76.6 |
| 400     | 63.0 | 63.0                        | 71.9 | 72.3 | 76.1 | 76.6 | 76.6  | 76.6 | 76.6  | 76.6  | 76.8 | 76.8   | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 |
| 450     | 63.0 | 63.0                        | 72.0 | 72.4 | 76.2 | 76.6 | 76.6  | 76.6 | 76.6  | 76.6  | 76.8 | 76.8   | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 |
| 500     | 63.0 | 63.0                        | 72.1 | 72.5 | 76.3 | 76.7 | 76.7  | 76.7 | 76.7  | 76.7  | 76.8 | 76.8   | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 550     | 63.0 | 63.0                        | 72.2 | 72.6 | 76.4 | 76.8 | 76.8  | 76.8 | 76.8  | 76.8  | 76.9 | 76.9   | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 600     | 63.0 | 63.0                        | 72.3 | 72.7 | 76.5 | 76.9 | 76.9  | 76.9 | 76.9  | 76.9  | 77.0 | 77.0   | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| 650     | 63.0 | 63.0                        | 72.4 | 72.8 | 76.6 | 77.0 | 77.0  | 77.0 | 77.0  | 77.0  | 77.1 | 77.1   | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 700     | 63.0 | 63.0                        | 72.5 | 72.9 | 76.7 | 77.1 | 77.1  | 77.1 | 77.1  | 77.1  | 77.2 | 77.2   | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 750     | 63.0 | 63.0                        | 72.6 | 73.0 | 76.8 | 77.2 | 77.2  | 77.2 | 77.2  | 77.2  | 77.3 | 77.3   | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 800     | 63.0 | 63.0                        | 72.7 | 73.1 | 76.9 | 77.3 | 77.3  | 77.3 | 77.3  | 77.3  | 77.4 | 77.4   | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 850     | 63.0 | 63.0                        | 72.8 | 73.2 | 77.0 | 77.4 | 77.4  | 77.4 | 77.4  | 77.4  | 77.5 | 77.5   | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 900     | 63.0 | 63.0                        | 72.9 | 73.3 | 77.1 | 77.5 | 77.5  | 77.5 | 77.5  | 77.5  | 77.6 | 77.6   | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 950     | 63.0 | 63.0                        | 73.0 | 73.4 | 77.2 | 77.6 | 77.6  | 77.6 | 77.6  | 77.6  | 77.7 | 77.7   | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 1000    | 63.0 | 63.0                        | 73.1 | 73.5 | 77.3 | 77.7 | 77.7  | 77.7 | 77.7  | 77.7  | 77.8 | 77.8   | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| 1050    | 63.0 | 63.0                        | 73.2 | 73.6 | 77.4 | 77.8 | 77.8  | 77.8 | 77.8  | 77.8  | 77.9 | 77.9   | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 1100    | 63.0 | 63.0                        | 73.3 | 73.7 | 77.5 | 77.9 | 77.9  | 77.9 | 77.9  | 77.9  | 78.0 | 78.0   | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 1150    | 63.0 | 63.0                        | 73.4 | 73.8 | 77.6 | 78.0 | 78.0  | 78.0 | 78.0  | 78.0  | 78.1 | 78.1   | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 1200    | 63.0 | 63.0                        | 73.5 | 73.9 | 77.7 | 78.1 | 78.1  | 78.1 | 78.1  | 78.1  | 78.2 | 78.2   | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 1250    | 63.0 | 63.0                        | 73.6 | 74.0 | 77.8 | 78.2 | 78.2  | 78.2 | 78.2  | 78.2  | 78.3 | 78.3   | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 1300    | 63.0 | 63.0                        | 73.7 | 74.1 | 77.9 | 78.3 | 78.3  | 78.3 | 78.3  | 78.3  | 78.4 | 78.4   | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| 1350    | 63.0 | 63.0                        | 73.8 | 74.2 | 78.0 | 78.4 | 78.4  | 78.4 | 78.4  | 78.4  | 78.5 | 78.5   | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| 1400    | 63.0 | 63.0                        | 73.9 | 74.3 | 78.1 | 78.5 | 78.5  | 78.5 | 78.5  | 78.5  | 78.6 | 78.6   | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| 1450    | 63.0 | 63.0                        | 74.0 | 74.4 | 78.2 | 78.6 | 78.6  | 78.6 | 78.6  | 78.6  | 78.7 | 78.7   | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 1500    | 63.0 | 63.0                        | 74.1 | 74.5 | 78.3 | 78.7 | 78.7  | 78.7 | 78.7  | 78.7  | 78.8 | 78.8   | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| 1550    | 63.0 | 63.0                        | 74.2 | 74.6 | 78.4 | 78.8 | 78.8  | 78.8 | 78.8  | 78.8  | 78.9 | 78.9   | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| 1600    | 63.0 | 63.0                        | 74.3 | 74.7 | 78.5 | 78.9 | 78.9  | 78.9 | 78.9  | 78.9  | 79.0 | 79.0   | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| 1650    | 63.0 | 63.0                        | 74.4 | 74.8 | 78.6 | 79.0 | 79.0  | 79.0 | 79.0  | 79.0  | 79.1 | 79.1   | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 1700    | 63.0 | 63.0                        | 74.5 | 74.9 | 78.7 | 79.1 | 79.1  | 79.1 | 79.1  | 79.1  | 79.2 | 79.2   | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 1750    | 63.0 | 63.0                        | 74.6 | 75.0 | 78.8 | 79.2 | 79.2  | 79.2 | 79.2  | 79.2  | 79.3 | 79.3   | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| 1800    | 63.0 | 63.0                        | 74.7 | 75.1 | 78.9 | 79.3 | 79.3  | 79.3 | 79.3  | 79.3  | 79.4 | 79.4   | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 1850    | 63.0 | 63.0                        | 74.8 | 75.2 | 79.0 | 79.4 | 79.4  | 79.4 | 79.4  | 79.4  | 79.5 | 79.5   | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 1900    | 63.0 | 63.0                        | 74.9 | 75.3 | 79.1 | 79.5 | 79.5  | 79.5 | 79.5  | 79.5  | 79.6 | 79.6   | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| 1950    | 63.0 | 63.0                        | 75.0 | 75.4 | 79.2 | 79.6 | 79.6  | 79.6 | 79.6  | 79.6  | 79.7 | 79.7   | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 2000    | 63.0 | 63.0                        | 75.1 | 75.5 | 79.3 | 79.7 | 79.7  | 79.7 | 79.7  | 79.7  | 79.8 | 79.8   | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| 2050    | 63.0 | 63.0                        | 75.2 | 75.6 | 79.4 | 79.8 | 79.8  | 79.8 | 79.8  | 79.8  | 79.9 | 79.9   | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| 2100    | 63.0 | 63.0                        | 75.3 | 75.7 | 79.5 | 79.9 | 79.9  | 79.9 | 79.9  | 79.9  | 80.0 | 80.0   | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 2150    | 63.0 | 63.0                        | 75.4 | 75.8 | 79.6 | 80.0 | 80.0  | 80.0 | 80.0  | 80.0  | 80.1 | 80.1   | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| 2200    | 63.0 | 63.0                        | 75.5 | 75.9 | 79.7 | 80.1 | 80.1  | 80.1 | 80.1  | 80.1  | 80.2 | 80.2   | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 2250    | 63.0 | 63.0                        | 75.6 | 76.0 | 79.8 | 80.2 | 80.2  | 80.2 | 80.2  | 80.2  | 80.3 | 80.3   | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 2300    | 63.0 | 63.0                        | 75.7 | 76.1 | 79.9 | 80.3 | 80.3  | 80.3 | 80.3  | 80.3  | 80.4 | 80.4   | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| 2350    | 63.0 | 63.0                        | 75.8 | 76.2 | 80.0 | 80.4 | 80.4  | 80.4 | 80.4  | 80.4  | 80.5 | 80.5   | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| 2400    | 63.0 | 63.0                        | 75.9 | 76.3 | 80.1 | 80.5 | 80.5  | 80.5 | 80.5  | 80.5  | 80.6 | 80.6   | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 2450    | 63.0 | 63.0                        | 76.0 | 76.4 | 80.2 | 80.6 | 80.6  | 80.6 | 80.6  | 80.6  | 80.7 | 80.7   | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 2500    | 63.0 | 63.0                        | 76.1 | 76.5 | 80.3 | 80.7 | 80.7  | 80.7 | 80.7  | 80.7  | 80.8 | 80.8   | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 2550    | 63.0 | 63.0                        | 76.2 | 76.6 | 80.4 | 80.8 | 80.8  | 80.8 | 80.8  | 80.8  | 80.9 | 80.9   | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| 2600    | 63.0 | 63.0                        | 76.3 | 76.7 | 80.5 | 80.9 | 80.9  | 80.9 | 80.9  | 80.9  | 81.0 | 81.0   | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| 2650    | 63.0 | 63.0                        | 76.4 | 76.8 | 80.6 | 81.0 | 81.0  | 81.0 | 81.0  | 81.0  | 81.1 | 81.1   | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| 2700    | 63.0 | 63.0                        | 76.5 | 76.9 | 80.7 | 81.1 | 81.1  | 81.1 | 81.1  | 81.1  | 81.2 | 81.2   | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 2750    | 63.0 | 63.0                        | 76.6 | 77.0 | 80.8 | 81.2 | 81.2  | 81.2 | 81.2  | 81.2  | 81.3 | 81.3   | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| 2800    | 63.0 | 63.0                        | 76.7 | 77.1 | 80.9 | 81.3 | 81.3  | 81.3 | 81.3  | 81.3  | 81.4 | 81.4   | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 2850    | 63.0 | 63.0                        | 76.8 | 77.2 | 81.0 | 81.4 | 81.4  | 81.4 | 81.4  | 81.4  | 81.5 | 81.5   | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 2900    | 63.0 | 63.0                        | 76.9 | 77.3 | 81.1 | 81.5 | 81.5  | 81.5 | 81.5  | 81.5  | 81.6 | 81.6   | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| 2950    | 63.0 | 63.0                        | 77.0 | 77.4 | 81.2 | 81.6 | 81.6  | 81.6 | 81.6  | 81.6  | 81.7 | 81.7   | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 3000    | 63.0 | 63.0                        | 77.1 | 77.5 | 81.3 | 81.7 | 81.7  | 81.7 | 81.7  | 81.7  | 81.8 | 81.8   | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| 3050    | 63.0 | 63.0                        | 77.2 | 77.6 | 81.4 | 81.8 | 81.8  | 81.8 | 81.8  | 81.8  | 81.9 | 81.9   | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 3100    | 63.0 | 63.0                        | 77.3 | 77.7 | 81.5 | 81.9 | 81.9  | 81.9 | 81.9  | 81.9  | 82.0 | 82.0   | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| 3150    | 63.0 | 63.0                        | 77.4 | 77.8 | 81.6 | 82.0 | 82.0  | 82.0 | 82.0  | 82.0  | 82.1 | 82.1   | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 3200    | 63.0 | 63.0                        | 77.5 | 77.9 | 81.7 | 82.1 | 82.1  | 82.1 | 82.1  | 82.1  | 82.2 | 82.2   | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 3250    | 63.0 | 63.0                        | 77.6 | 78.0 | 81.8 | 82.2 | 82.2  | 82.2 | 82.2  | 82.2  | 82.3 | 82.3   | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| 3300    | 63.0 | 63.0                        | 77.7 | 78.1 | 81.9 | 82.3 | 82.3  | 82.3 | 82.3  | 82.3  | 82.4 | 82.4   | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| 3350    | 63.0 | 63.0                        | 77.8 | 78.2 | 82.0 | 82.4 | 82.4  | 82.4 | 82.4  | 82.4  | 82.5 | 82.5   | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 3400    | 63.0 | 63.0                        | 77.9 | 78.3 | 82.1 | 82.5 | 82.5  | 82.5 | 82.5  | 82.5  | 82.6 | 82.6   | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 3450    | 63.0 | 63.0                        | 78.0 | 78.4 | 82.2 | 82.6 | 82.6  | 82.6 | 82.6  | 82.6  | 82.7 | 82.7   | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 3500    | 63.0 | 63.0                        | 78.1 | 78.5 | 82.3 | 82.7 | 82.7  | 82.7 | 82.7  | 82.7  | 82.8 | 82.8   | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| 3550    | 63.0 | 63.0                        | 78.2 | 78.6 | 82.4 | 82.8 | 82.8  | 82.8 | 82.8  | 82.8  | 82.9 | 82.9   | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| 3600    | 63.0 | 63.0                        | 78.3 | 78.7 | 82.5 | 82.9 | 82.9  | 82.9 | 82.9  | 82.9  | 83.0 | 83.0   | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| 3650    | 63.0 | 63.0                        | 78.4 | 78.8 | 82.6 | 83.0 | 83.0  | 83.0 | 83.0  | 83.0  | 83.1 | 83.1   | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| 3700    | 63.0 | 63.0                        | 78.5 | 78.9 | 82.7 | 83.1 | 83.1  | 83.1 | 83.1  | 83.1  | 83.2 | 83.2</ |      |      |      |      |      |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DVEST APR 14

PERIOD OF RECORD: 74-87  
MONTH: APR HOURS (LST): 1700-1900

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-----------------------------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|
|                       | 1                           | 1/2  | 5/8  | 3/4  | 1    | 1 1/2 | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 0    |
| NO CEIL               | 67.7                        | 64.0 | 64.3 | 64.4 | 64.6 | 64.6  | 64.7 | 64.9 | 64.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.1 | 65.1 |
| GE 20000              | 71.1                        | 71.3 | 71.9 | 71.3 | 71.1 | 71.1  | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.7 | 71.7 |
| GE 18000              | 71.2                        | 71.4 | 71.6 | 71.1 | 71.2 | 71.2  | 71.2 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 |
| GE 16000              | 71.7                        | 71.6 | 71.2 | 71.3 | 71.4 | 71.4  | 71.6 | 71.6 | 71.6 | 71.6 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 14000              | 71.8                        | 71.1 | 71.8 | 71.9 | 71.6 | 71.6  | 71.1 | 71.1 | 71.1 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 |
| GE 12000              | 71.1                        | 71.4 | 71.1 | 71.2 | 71.3 | 71.3  | 71.4 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 | 71.9 |
| GE 10000              | 71.9                        | 71.3 | 71.0 | 71.1 | 71.2 | 71.2  | 71.7 | 71.4 | 71.4 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 |
| GE 9000               | 71.2                        | 71.6 | 71.4 | 71.6 | 71.7 | 71.7  | 71.4 | 71.2 | 71.2 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 |
| GE 8000               | 71.7                        | 71.2 | 71.2 | 71.1 | 71.1 | 71.1  | 71.2 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 |
| GE 7000               | 71.1                        | 71.6 | 71.4 | 71.6 | 71.7 | 71.7  | 71.2 | 71.2 | 71.2 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 |
| GE 6000               | 71.4                        | 71.4 | 71.1 | 71.2 | 71.3 | 71.3  | 71.4 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 | 71.9 |
| GE 5000               | 81.0                        | 81.7 | 81.3 | 81.4 | 81.6 | 81.6  | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 4500               | 81.4                        | 81.1 | 81.4 | 81.9 | 81.0 | 81.0  | 81.1 | 81.1 | 81.1 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.6 | 81.6 |
| GE 4000               | 81.2                        | 81.2 | 81.9 | 81.0 | 81.1 | 81.1  | 81.2 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 3500               | 81.8                        | 81.7 | 81.3 | 81.4 | 81.6 | 81.6  | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 3000               | 81.1                        | 81.2 | 81.9 | 81.0 | 81.1 | 81.1  | 81.2 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 2500               | 81.6                        | 81.0 | 81.7 | 81.0 | 81.4 | 81.4  | 81.7 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 |
| GE 2000               | 81.7                        | 81.2 | 81.9 | 81.0 | 81.1 | 81.1  | 81.2 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 1800               | 81.9                        | 81.9 | 81.6 | 81.7 | 81.8 | 81.8  | 81.9 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 |
| GE 1600               | 81.3                        | 81.6 | 81.1 | 81.6 | 81.7 | 81.7  | 81.4 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 |
| GE 1400               | 81.4                        | 81.9 | 81.7 | 81.9 | 81.0 | 81.0  | 81.1 | 81.1 | 81.1 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 |
| GE 1200               | 81.0                        | 81.4 | 81.6 | 81.7 | 81.7 | 81.7  | 81.4 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 |
| GE 1000               | 81.3                        | 81.7 | 81.8 | 81.1 | 81.2 | 81.2  | 81.4 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 |
| GE 900                | 81.3                        | 81.7 | 81.8 | 81.1 | 81.2 | 81.2  | 81.4 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 |
| GE 800                | 81.1                        | 81.9 | 81.0 | 81.3 | 81.4 | 81.4  | 81.6 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 700                | 81.1                        | 81.9 | 81.0 | 81.3 | 81.4 | 81.4  | 81.6 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 600                | 81.2                        | 81.3 | 81.4 | 81.9 | 81.0 | 81.0  | 81.1 | 81.1 | 81.1 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 |
| GE 500                | 81.7                        | 81.3 | 81.4 | 81.9 | 81.0 | 81.0  | 81.1 | 81.1 | 81.1 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 |
| GE 400                | 81.3                        | 81.4 | 81.6 | 81.0 | 81.1 | 81.1  | 81.2 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 300                | 81.3                        | 81.4 | 81.6 | 81.0 | 81.1 | 81.1  | 81.2 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 200                | 81.3                        | 81.4 | 81.6 | 81.0 | 81.1 | 81.1  | 81.2 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 100                | 81.3                        | 81.4 | 81.6 | 81.0 | 81.1 | 81.1  | 81.2 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 0                  | 81.3                        | 81.4 | 81.6 | 81.0 | 81.1 | 81.1  | 81.2 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |

TOTAL NUMBER OF OBSERVATIONS: 900

PERIOD OF RECORD: 78-87  
MONTH: APR POLRSILST: 1500-1700

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 245

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 702005 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1800-2000

| CEILING |       | VISIBILITY IN STATUTE MILES |       |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|---------|-------|-----------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| IN      | FEET  | GE                          | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE    |
|         |       | 1                           | 1 1/2 | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15    |
| NO      | CEIL  | 1                           | 1 1/2 | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15    |
| GE      | 10000 | 76.4                        | 78.6  | 79.6 | 80.3 | 80.7 | 80.7 | 80.7 | 80.9 | 80.9 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2  |
| GE      | 10000 | 76.4                        | 79.3  | 80.3 | 80.9 | 81.2 | 81.2 | 81.2 | 81.4 | 81.4 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8  |
| GE      | 10000 | 77.8                        | 80.3  | 81.3 | 81.9 | 82.2 | 82.2 | 82.2 | 82.4 | 82.4 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8  |
| GE      | 14000 | 76.7                        | 80.9  | 81.9 | 82.4 | 82.8 | 82.8 | 82.8 | 83.0 | 83.0 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3  |
| GE      | 10000 | 76.4                        | 82.2  | 83.3 | 83.9 | 84.2 | 84.2 | 84.2 | 84.4 | 84.4 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8  |
| GE      | 10000 | 81.4                        | 84.1  | 85.2 | 85.8 | 86.1 | 86.1 | 86.1 | 86.3 | 86.3 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7  |
| GE      | 10000 | 81.4                        | 84.2  | 85.3 | 85.9 | 86.2 | 86.2 | 86.2 | 86.4 | 86.4 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8  |
| GE      | 10000 | 82.4                        | 85.2  | 86.3 | 86.9 | 87.3 | 87.3 | 87.3 | 87.6 | 87.6 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9  |
| GE      | 10000 | 82.4                        | 85.4  | 86.6 | 87.2 | 87.7 | 87.7 | 87.7 | 87.9 | 87.9 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2  |
| GE      | 10000 | 82.4                        | 86.1  | 87.2 | 87.9 | 88.2 | 88.2 | 88.2 | 88.4 | 88.4 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8  |
| GE      | 10000 | 85.4                        | 88.7  | 89.6 | 90.4 | 90.9 | 90.9 | 90.9 | 91.2 | 91.2 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6  |
| GE      | 10000 | 85.4                        | 89.6  | 90.6 | 91.2 | 91.7 | 91.7 | 91.7 | 92.0 | 92.0 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3  |
| GE      | 10000 | 88.7                        | 91.1  | 92.0 | 92.9 | 93.4 | 93.4 | 93.4 | 93.8 | 93.8 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  |
| GE      | 10000 | 88.7                        | 91.9  | 93.0 | 93.7 | 94.2 | 94.2 | 94.2 | 94.6 | 94.6 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9  |
| GE      | 10000 | 88.7                        | 92.9  | 94.0 | 94.7 | 95.3 | 95.3 | 95.3 | 95.7 | 95.7 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0  |
| GE      | 10000 | 90.3                        | 93.4  | 94.6 | 95.2 | 95.9 | 95.9 | 95.9 | 96.2 | 96.2 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6  |
| GE      | 10000 | 90.3                        | 93.7  | 95.0 | 95.7 | 96.4 | 96.4 | 96.4 | 96.8 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1  |
| GE      | 10000 | 90.3                        | 94.2  | 95.3 | 96.0 | 96.8 | 96.8 | 96.8 | 97.1 | 97.1 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4  |
| GE      | 10000 | 91.4                        | 95.1  | 96.2 | 96.9 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3  |
| GE      | 10000 | 91.4                        | 95.7  | 96.6 | 97.4 | 98.2 | 98.2 | 98.2 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9  |
| GE      | 10000 | 92.1                        | 95.9  | 97.0 | 97.7 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  |
| GE      | 10000 | 92.1                        | 96.4  | 97.5 | 97.7 | 98.4 | 98.4 | 98.4 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2  |
| GE      | 10000 | 92.1                        | 96.1  | 97.2 | 97.9 | 98.7 | 98.7 | 98.7 | 99.1 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  |
| GE      | 10000 | 92.1                        | 96.1  | 97.2 | 97.9 | 98.7 | 98.7 | 98.7 | 99.1 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  |
| GE      | 10000 | 92.1                        | 96.2  | 97.3 | 98.0 | 98.8 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  |
| GE      | 10000 | 92.1                        | 96.2  | 97.4 | 98.1 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  |
| GE      | 10000 | 92.1                        | 96.2  | 97.4 | 98.1 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  |
| GE      | 10000 | 92.1                        | 96.2  | 97.4 | 98.1 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8  |
| GE      | 10000 | 92.1                        | 96.2  | 97.4 | 98.1 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9  |
| GE      | 10000 | 92.1                        | 96.2  | 97.4 | 98.1 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 2100-2300

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |         |           |           |           |            |           |         |       |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|-------|
|                       | GE<br>10                    | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 | GE<br>1 1/2 | GE<br>1 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |       |
| NO CLIL               | 70.7                        | 70.4    | 72.7    | 73.2    | 73.3    | 73.3        | 73.4    | 73.8        | 73.8    | 73.8      | 73.8      | 73.8      | 73.8       | 73.8      | 73.8    | 73.8  |
| GE 20000              | 74.6                        | 80.9    | 81.1    | 81.7    | 81.6    | 81.8        | 82.2    | 82.2        | 82.2    | 82.2      | 82.2      | 82.2      | 82.2       | 82.2      | 82.2    | 82.2  |
| GE 18000              | 74.6                        | 80.9    | 81.1    | 81.7    | 81.6    | 81.8        | 82.2    | 82.2        | 82.2    | 82.2      | 82.2      | 82.2      | 82.2       | 82.2      | 82.2    | 82.2  |
| GE 16000              | 74.6                        | 81.3    | 81.6    | 82.1    | 82.2    | 82.2        | 82.7    | 82.7        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7       | 82.7      | 82.7    | 82.7  |
| GE 14000              | 79.1                        | 81.4    | 81.7    | 82.2    | 82.3    | 82.3        | 82.8    | 82.8        | 82.8    | 82.8      | 82.8      | 82.8      | 82.8       | 82.8      | 82.8    | 82.8  |
| GE 12000              | 83.9                        | 83.2    | 83.4    | 84.0    | 84.1    | 84.1        | 84.6    | 84.6        | 84.6    | 84.6      | 84.6      | 84.6      | 84.6       | 84.6      | 84.6    | 84.6  |
| GE 10000              | 82.2                        | 84.6    | 84.8    | 85.3    | 85.4    | 85.4        | 85.9    | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9       | 85.9      | 85.9    | 85.9  |
| GE 9000               | 82.6                        | 84.9    | 85.1    | 85.7    | 85.8    | 85.8        | 86.2    | 86.2        | 86.2    | 86.2      | 86.2      | 86.2      | 86.2       | 86.2      | 86.2    | 86.2  |
| GE 8000               | 83.9                        | 86.2    | 86.4    | 87.0    | 87.1    | 87.1        | 87.6    | 87.6        | 87.6    | 87.6      | 87.6      | 87.6      | 87.6       | 87.6      | 87.6    | 87.6  |
| GE 7000               | 84.0                        | 86.3    | 86.6    | 87.1    | 87.2    | 87.2        | 87.7    | 87.7        | 87.7    | 87.7      | 87.7      | 87.7      | 87.7       | 87.7      | 87.7    | 87.7  |
| GE 6000               | 84.4                        | 86.8    | 87.0    | 87.6    | 87.7    | 87.7        | 88.1    | 88.1        | 88.1    | 88.1      | 88.1      | 88.1      | 88.1       | 88.1      | 88.1    | 88.1  |
| GE 5000               | 86.4                        | 88.9    | 89.1    | 89.7    | 89.8    | 89.8        | 90.2    | 90.2        | 90.2    | 90.2      | 90.2      | 90.2      | 90.2       | 90.2      | 90.2    | 90.2  |
| GE 4500               | 87.3                        | 89.8    | 90.0    | 90.6    | 90.7    | 90.7        | 91.1    | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1       | 91.1      | 91.1    | 91.1  |
| GE 4000               | 87.1                        | 91.8    | 92.1    | 92.6    | 92.9    | 92.9        | 93.3    | 93.4        | 93.4    | 93.4      | 93.4      | 93.4      | 93.4       | 93.4      | 93.4    | 93.4  |
| GE 3500               | 89.6                        | 92.3    | 92.8    | 93.4    | 93.6    | 93.6        | 94.0    | 94.1        | 94.1    | 94.1      | 94.1      | 94.1      | 94.1       | 94.1      | 94.1    | 94.1  |
| GE 3000               | 90.1                        | 93.0    | 93.4    | 94.1    | 94.2    | 94.2        | 94.7    | 94.8        | 94.8    | 94.8      | 94.8      | 94.8      | 94.8       | 94.8      | 94.8    | 94.8  |
| GE 2500               | 91.8                        | 94.7    | 95.1    | 95.6    | 95.9    | 95.9        | 96.3    | 96.4        | 96.4    | 96.4      | 96.4      | 96.4      | 96.4       | 96.4      | 96.4    | 96.4  |
| GE 2000               | 92.0                        | 95.1    | 95.6    | 96.2    | 96.3    | 96.3        | 96.8    | 96.9        | 96.9    | 96.9      | 96.9      | 96.9      | 96.9       | 96.9      | 96.9    | 96.9  |
| GE 1800               | 92.1                        | 95.3    | 95.9    | 96.6    | 96.7    | 96.7        | 97.1    | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2       | 97.2      | 97.2    | 97.2  |
| GE 1600               | 92.1                        | 95.4    | 96.0    | 96.7    | 96.8    | 96.8        | 97.2    | 97.3        | 97.3    | 97.3      | 97.3      | 97.3      | 97.3       | 97.3      | 97.3    | 97.3  |
| GE 1400               | 92.3                        | 95.7    | 96.2    | 97.0    | 97.1    | 97.1        | 97.6    | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7       | 97.7      | 97.7    | 97.7  |
| GE 1200               | 92.3                        | 96.4    | 97.1    | 97.9    | 98.0    | 98.0        | 98.4    | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6       | 98.6      | 98.6    | 98.6  |
| GE 1000               | 92.3                        | 96.4    | 97.1    | 98.0    | 98.1    | 98.1        | 98.6    | 98.7        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7       | 98.7      | 98.7    | 98.7  |
| GE 900                | 92.4                        | 96.7    | 97.4    | 98.4    | 98.6    | 98.6        | 99.0    | 99.1        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1       | 99.1      | 99.1    | 99.1  |
| GE 800                | 92.4                        | 96.7    | 97.6    | 98.6    | 98.7    | 98.7        | 99.1    | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2       | 99.2      | 99.2    | 99.2  |
| GE 700                | 92.4                        | 96.7    | 97.6    | 98.6    | 98.7    | 98.7        | 99.1    | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2       | 99.2      | 99.2    | 99.2  |
| GE 600                | 92.6                        | 96.8    | 97.9    | 98.9    | 99.0    | 99.0        | 99.4    | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    | 99.6  |
| GE 500                | 92.6                        | 96.8    | 97.9    | 98.9    | 99.0    | 99.0        | 99.4    | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    | 99.6  |
| GE 400                | 92.6                        | 96.8    | 97.9    | 98.9    | 99.0    | 99.0        | 99.4    | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    | 99.6  |
| GE 300                | 92.6                        | 96.8    | 97.9    | 98.9    | 99.0    | 99.0        | 99.4    | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    | 99.6  |
| GE 200                | 92.6                        | 96.8    | 97.9    | 98.9    | 99.0    | 99.0        | 99.4    | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    | 99.6  |
| GE 100                | 92.6                        | 96.8    | 97.9    | 98.9    | 99.0    | 99.0        | 99.4    | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    | 99.6  |
| GE 0                  | 92.6                        | 96.8    | 97.9    | 98.9    | 99.0    | 99.0        | 99.4    | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(EST): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |       |      |      |       |      |      |      |      |      |      |       |
|----------|------|-----------------------------|------|------|------|------|-------|------|------|-------|------|------|------|------|------|------|-------|
| IN       | FEET | GE                          | GE   | GE   | GE   | GE   | GE    | GE   | GE   | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE    |
| 1        | 10   | 6                           | 5    | 4    | 3    | 2    | 1 1/2 | 1    | 1/2  | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0     |
| NO CEIL  | 64.7 | 67.0                        | 67.4 | 67.6 | 67.8 | 67.8 | 67.9  | 68.0 | 68.0 | 68.0  | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1  |
| GE 20000 | 72.6 | 75.7                        | 76.2 | 76.5 | 76.6 | 76.6 | 76.7  | 76.8 | 76.8 | 76.8  | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0  |
| GE 18000 | 72.8 | 75.9                        | 76.4 | 76.7 | 76.8 | 76.8 | 76.9  | 77.0 | 77.0 | 77.1  | 77.1 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2  |
| GE 16000 | 73.1 | 76.2                        | 76.7 | 77.0 | 77.2 | 77.2 | 77.3  | 77.4 | 77.4 | 77.4  | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5  |
| GE 14000 | 73.6 | 76.7                        | 77.3 | 77.5 | 77.7 | 77.7 | 77.8  | 77.9 | 77.9 | 77.9  | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1  |
| GE 12000 | 74.6 | 77.8                        | 78.4 | 78.7 | 78.8 | 78.8 | 78.9  | 79.0 | 79.1 | 79.1  | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2  |
| GE 10000 | 76.3 | 79.6                        | 80.2 | 80.5 | 80.7 | 80.7 | 80.8  | 80.9 | 80.9 | 81.0  | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1  |
| GE 9000  | 76.5 | 79.8                        | 80.4 | 80.6 | 80.9 | 80.9 | 81.0  | 81.1 | 81.1 | 81.2  | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3  |
| GE 8000  | 77.0 | 81.3                        | 81.9 | 82.2 | 82.4 | 82.4 | 82.5  | 82.6 | 82.6 | 82.7  | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8  |
| GE 7000  | 78.4 | 81.8                        | 82.4 | 82.7 | 82.9 | 82.9 | 83.0  | 83.1 | 83.1 | 83.2  | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3  |
| GE 6000  | 78.9 | 82.3                        | 82.9 | 83.3 | 83.4 | 83.4 | 83.6  | 83.7 | 83.7 | 83.8  | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9  |
| GE 5000  | 81.1 | 84.6                        | 85.2 | 85.6 | 85.8 | 85.8 | 85.9  | 86.0 | 86.0 | 86.1  | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2  |
| GE 4000  | 81.8 | 85.4                        | 86.0 | 86.4 | 86.6 | 86.6 | 86.7  | 86.8 | 86.8 | 86.9  | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0  |
| GE 3000  | 83.4 | 87.3                        | 87.9 | 88.4 | 88.6 | 88.6 | 88.7  | 88.8 | 88.8 | 88.9  | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0  |
| GE 2500  | 84.2 | 88.2                        | 88.5 | 89.3 | 89.5 | 89.5 | 89.6  | 89.8 | 89.8 | 89.9  | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0  |
| GE 2000  | 85.3 | 89.3                        | 89.9 | 90.6 | 90.6 | 90.6 | 90.7  | 90.9 | 91.0 | 91.0  | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2  |
| GE 1800  | 86.5 | 90.7                        | 91.3 | 91.9 | 92.1 | 92.1 | 92.2  | 92.3 | 92.4 | 92.4  | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6  |
| GE 1600  | 87.6 | 92.1                        | 92.7 | 93.4 | 93.6 | 93.6 | 93.7  | 93.9 | 93.9 | 94.0  | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  |
| GE 1400  | 87.9 | 92.5                        | 93.1 | 93.7 | 94.0 | 94.0 | 94.1  | 94.3 | 94.3 | 94.3  | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5  |
| GE 1200  | 88.6 | 93.4                        | 94.1 | 94.8 | 95.0 | 95.0 | 95.1  | 95.3 | 95.3 | 95.4  | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5  |
| GE 1000  | 89.1 | 94.3                        | 95.0 | 95.6 | 96.1 | 96.1 | 96.2  | 96.4 | 96.4 | 96.4  | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6  |
| GE 900   | 89.5 | 95.2                        | 96.0 | 96.9 | 97.2 | 97.2 | 97.3  | 97.5 | 97.5 | 97.5  | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  |
| GE 800   | 89.6 | 95.5                        | 96.3 | 97.3 | 97.6 | 97.6 | 97.7  | 97.9 | 97.9 | 98.0  | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1  |
| GE 700   | 89.6 | 95.6                        | 96.7 | 97.7 | 98.0 | 98.0 | 98.1  | 98.3 | 98.4 | 98.4  | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6  |
| GE 600   | 89.7 | 96.0                        | 97.0 | 98.0 | 98.3 | 98.3 | 98.4  | 98.6 | 98.7 | 98.7  | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9  |
| GE 500   | 89.7 | 96.2                        | 97.2 | 98.2 | 98.5 | 98.5 | 98.6  | 98.7 | 98.9 | 98.9  | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  |
| GE 400   | 89.8 | 96.3                        | 97.3 | 98.5 | 98.9 | 98.9 | 99.0  | 99.1 | 99.3 | 99.3  | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5  |
| GE 300   | 89.8 | 96.3                        | 97.4 | 98.6 | 99.0 | 99.0 | 99.1  | 99.3 | 99.4 | 99.4  | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7  |
| GE 200   | 89.8 | 96.3                        | 97.4 | 98.6 | 99.1 | 99.1 | 99.2  | 99.4 | 99.6 | 99.6  | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9  |
| GE 100   | 89.8 | 96.3                        | 97.4 | 98.6 | 99.1 | 99.1 | 99.2  | 99.4 | 99.6 | 99.6  | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9  |
| GE 0     | 92.8 | 96.3                        | 97.4 | 98.6 | 99.1 | 99.1 | 99.2  | 99.4 | 99.6 | 99.6  | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7200



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURTY OBSERVATIONS

PERIOD OF RECORD: 78-87

| CEILING  |      | VISIBILITY IN STATUTE MILES |        |        |        |        |        |      |          |          |          |          |          |      |          |          |          |      |  |
|----------|------|-----------------------------|--------|--------|--------|--------|--------|------|----------|----------|----------|----------|----------|------|----------|----------|----------|------|--|
| IN FEET  | 1    | GE 1/8                      | GE 3/8 | GE 1/2 | GE 5/8 | GE 3/4 | GE 7/8 | GE 1 | GE 1 1/8 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 1 7/8 | GE 2 | GE 2 1/4 | GE 2 1/2 | GE 2 3/4 | GE 3 |  |
| NO CEIL  | 1    | 1 1/8                       | 1 3/8  | 1 1/2  | 1 5/8  | 1 3/4  | 1 7/8  | 2    | 2 1/8    | 2 1/4    | 2 1/2    | 2 3/4    | 2 7/8    | 3    | 3 1/4    | 3 1/2    | 3 3/4    | 4    |  |
| GE 20000 | 74.2 | 77.5                        | 78.6   | 78.6   | 78.6   | 78.6   | 78.6   | 78.6 | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6 | 78.6     | 78.6     | 78.6     | 78.6 |  |
| GE 18000 | 74.2 | 77.5                        | 78.6   | 78.6   | 78.6   | 78.6   | 78.6   | 78.6 | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6 | 78.6     | 78.6     | 78.6     | 78.6 |  |
| GE 16000 | 74.2 | 77.5                        | 78.6   | 78.6   | 78.6   | 78.6   | 78.6   | 78.6 | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6 | 78.6     | 78.6     | 78.6     | 78.6 |  |
| GE 14000 | 74.2 | 77.5                        | 78.6   | 78.6   | 78.6   | 78.6   | 78.6   | 78.6 | 78.6     | 78.6     | 78.6     | 78.6     | 78.6     | 78.6 | 78.6     | 78.6     | 78.6     | 78.6 |  |
| GE 12000 | 75.4 | 78.7                        | 79.4   | 79.4   | 79.4   | 79.4   | 79.4   | 79.4 | 79.4     | 79.4     | 79.4     | 79.4     | 79.4     | 79.4 | 79.4     | 79.4     | 79.4     | 79.4 |  |
| GE 10000 | 77.2 | 80.5                        | 81.2   | 81.2   | 81.2   | 81.2   | 81.2   | 81.2 | 81.2     | 81.2     | 81.2     | 81.2     | 81.2     | 81.2 | 81.2     | 81.2     | 81.2     | 81.2 |  |
| GE 9000  | 77.2 | 80.5                        | 81.2   | 81.2   | 81.2   | 81.2   | 81.2   | 81.2 | 81.2     | 81.2     | 81.2     | 81.2     | 81.2     | 81.2 | 81.2     | 81.2     | 81.2     | 81.2 |  |
| GE 8000  | 77.7 | 80.2                        | 82.8   | 82.8   | 82.8   | 82.8   | 82.8   | 82.8 | 82.8     | 82.8     | 82.8     | 82.8     | 82.8     | 82.8 | 82.8     | 82.8     | 82.8     | 82.8 |  |
| GE 7000  | 79.7 | 82.6                        | 83.2   | 83.2   | 83.2   | 83.2   | 83.2   | 83.2 | 83.2     | 83.2     | 83.2     | 83.2     | 83.2     | 83.2 | 83.2     | 83.2     | 83.2     | 83.2 |  |
| GE 6000  | 82.0 | 84.5                        | 84.2   | 84.2   | 84.2   | 84.2   | 84.2   | 84.2 | 84.2     | 84.2     | 84.2     | 84.2     | 84.2     | 84.2 | 84.2     | 84.2     | 84.2     | 84.2 |  |
| GE 5000  | 81.4 | 85.3                        | 86.2   | 86.2   | 86.2   | 86.2   | 86.2   | 86.2 | 86.2     | 86.2     | 86.2     | 86.2     | 86.2     | 86.2 | 86.2     | 86.2     | 86.2     | 86.2 |  |
| GE 4000  | 87.2 | 90.7                        | 88.7   | 88.7   | 88.7   | 88.7   | 88.7   | 88.7 | 88.7     | 88.7     | 88.7     | 88.7     | 88.7     | 88.7 | 88.7     | 88.7     | 88.7     | 88.7 |  |
| GE 3000  | 85.8 | 91.9                        | 91.4   | 91.4   | 91.4   | 91.4   | 91.4   | 91.4 | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4 | 91.4     | 91.4     | 91.4     | 91.4 |  |
| GE 2000  | 86.7 | 91.7                        | 92.7   | 92.7   | 92.7   | 92.7   | 92.7   | 92.7 | 92.7     | 92.7     | 92.7     | 92.7     | 92.7     | 92.7 | 92.7     | 92.7     | 92.7     | 92.7 |  |
| GE 1000  | 87.1 | 91.7                        | 93.2   | 93.2   | 93.2   | 93.2   | 93.2   | 93.2 | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2 | 93.2     | 93.2     | 93.2     | 93.2 |  |
| GE 20000 | 93.5 | 94.3                        | 94.3   | 94.3   | 94.3   | 94.3   | 94.3   | 94.3 | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3 | 94.3     | 94.3     | 94.3     | 94.3 |  |
| GE 18000 | 93.7 | 94.4                        | 94.7   | 94.7   | 94.7   | 94.7   | 94.7   | 94.7 | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7 | 94.7     | 94.7     | 94.7     | 94.7 |  |
| GE 16000 | 93.8 | 94.5                        | 94.8   | 94.8   | 94.8   | 94.8   | 94.8   | 94.8 | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8 | 94.8     | 94.8     | 94.8     | 94.8 |  |
| GE 14000 | 93.8 | 94.5                        |        |        |        |        |        |      |          |          |          |          |          |      |          |          |          |      |  |

TOTAL NUMBER OF OBSERVATIONS: 950

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS (LST): 0300-0500

| CEILING             | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                     | IN FEET                     |      | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  |
|                     | FEET                        | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    |
| NO CEILING          | 1                           | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  | 1    | 1/2  |
| GE 20000            | 69.2                        | 69.7 | 69.9 | 70.1 | 70.4 | 70.6 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 18000            | 69.2                        | 70.3 | 70.5 | 70.6 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 16000            | 69.5                        | 70.3 | 70.5 | 70.6 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 14000            | 69.5                        | 71.0 | 71.2 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 12000            | 69.8                        | 71.0 | 72.3 | 72.5 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 10000            | 69.9                        | 71.3 | 71.5 | 71.7 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 9000             | 69.9                        | 71.3 | 71.5 | 71.7 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 8000             | 71.0                        | 71.0 | 71.0 | 71.0 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 7000             | 71.1                        | 71.1 | 71.1 | 71.1 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 6000             | 72.1                        | 72.3 | 72.5 | 72.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 5000             | 72.4                        | 75.2 | 75.5 | 75.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 4000             | 74.8                        | 76.9 | 81.1 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 3000             | 76.9                        | 76.3 | 83.7 | 84.1 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 2000             | 77.7                        | 78.3 | 84.6 | 85.1 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 1000             | 78.7                        | 78.5 | 85.6 | 86.2 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 500              | 79.5                        | 80.7 | 87.0 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 200              | 87.9                        | 88.4 | 90.4 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 100              | 89.8                        | 89.6 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 50               | 90.3                        | 92.6 | 93.5 | 94.0 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 10               | 94.1                        | 94.0 | 95.1 | 95.5 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 1                | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/2              | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/4              | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/8              | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/16             | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/32             | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/64             | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/128            | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/256            | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/512            | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/1024           | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/2048           | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/4096           | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/8192           | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/16384          | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/32768          | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/65536          | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/131072         | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/262144         | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/524288         | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/1048576        | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/2097152        | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/4194304        | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/8388608        | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/16777216       | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/33554432       | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/67108864       | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/134217728      | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/268435456      | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/536870912      | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/1073741824     | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/2147483648     | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/4294967296     | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/8589934592     | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/17179869184    | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/34359738368    | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/68719476736    | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/137438953472   | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/274877906944   | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/549755813888   | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/1099511627776  | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/2199023255552  | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/4398046511104  | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/8796093022208  | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/17592186044416 | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/35184372088832 | 94.7                        | 94.7 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1/70368744177664 | 94.7                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(IST): 0600-0800

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |       |      |      |       |      |      |      |      |      |      |
|-----------------------|-----------------------------|------|------|------|------|------|------|-------|------|------|-------|------|------|------|------|------|------|
|                       | 1                           | GE   | GE   | GE   | GE   | GE   | GE   | GE    | GE   | GE   | GE    | GE   | GE   | GE   | GE   | GE   | GE   |
|                       | 1                           | 10   | 6    | 5    | 4    | 3    | 2    | 1 1/2 | 1    | 1/2  | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  |
| NO CEIL               | 49.4                        | 53.5 | 53.8 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1  | 54.1 | 54.1 | 54.1  | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| GE 2000               | 57.7                        | 62.7 | 62.9 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2  | 63.2 | 63.2 | 63.2  | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 1800               | 54.1                        | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5  | 63.5 | 63.5 | 63.5  | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| GE 1600               | 54.1                        | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5  | 63.5 | 63.5 | 63.5  | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| GE 1400               | 54.1                        | 63.5 | 63.7 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0  | 64.0 | 64.0 | 64.0  | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 1200               | 60.0                        | 64.5 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6  | 65.6 | 65.6 | 65.6  | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 1000               | 63.7                        | 69.2 | 69.6 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9  | 69.9 | 69.9 | 69.9  | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 900                | 64.0                        | 69.6 | 69.9 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2  | 70.2 | 70.2 | 70.2  | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 800                | 65.9                        | 71.6 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5  | 72.5 | 72.5 | 72.5  | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 700                | 67.0                        | 72.9 | 73.2 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  | 73.5 | 73.5 | 73.5  | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 600                | 67.6                        | 73.5 | 73.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2  | 74.2 | 74.2 | 74.2  | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 500                | 68.7                        | 75.2 | 75.6 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0  | 76.0 | 76.0 | 76.0  | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 400                | 70.0                        | 76.6 | 77.2 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6  | 77.6 | 77.6 | 77.6  | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 300                | 71.6                        | 78.2 | 79.7 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1  | 80.1 | 80.1 | 80.1  | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 200                | 72.6                        | 80.3 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2  | 81.2 | 81.2 | 81.2  | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 100                | 74.4                        | 82.6 | 82.6 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1  | 83.1 | 83.1 | 83.1  | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 2000               | 76.1                        | 84.2 | 84.6 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2  | 85.2 | 85.2 | 85.2  | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 1800               | 77.6                        | 86.6 | 87.2 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7  | 87.7 | 87.7 | 87.7  | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 1600               | 78.4                        | 87.6 | 88.1 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7  | 88.7 | 88.7 | 88.7  | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 1400               | 79.7                        | 89.6 | 90.2 | 90.5 | 91.0 | 91.1 | 91.1 | 91.1  | 91.1 | 91.1 | 91.1  | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 1200               | 80.7                        | 91.4 | 92.0 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3  | 93.3 | 93.3 | 93.3  | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 1000               | 81.7                        | 92.6 | 93.7 | 94.8 | 94.9 | 95.1 | 95.1 | 95.2  | 95.2 | 95.2 | 95.2  | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 900                | 82.6                        | 93.7 | 94.6 | 96.0 | 96.1 | 96.2 | 96.2 | 96.3  | 96.3 | 96.3 | 96.3  | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 800                | 82.6                        | 93.9 | 94.8 | 96.2 | 96.3 | 96.5 | 96.5 | 96.6  | 96.6 | 96.6 | 96.6  | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 700                | 82.6                        | 94.2 | 94.9 | 96.5 | 96.9 | 97.0 | 97.0 | 97.1  | 97.1 | 97.1 | 97.1  | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 600                | 82.6                        | 94.6 | 95.6 | 97.1 | 97.6 | 97.6 | 97.6 | 98.1  | 98.1 | 98.1 | 98.1  | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 500                | 82.6                        | 94.9 | 96.1 | 97.6 | 98.2 | 98.6 | 98.7 | 98.8  | 98.8 | 98.8 | 98.8  | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 400                | 82.6                        | 94.9 | 96.2 | 97.7 | 98.4 | 98.8 | 98.8 | 99.2  | 99.4 | 99.4 | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 300                | 82.6                        | 94.9 | 96.2 | 97.7 | 98.4 | 98.8 | 98.8 | 99.2  | 99.4 | 99.4 | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 200                | 82.6                        | 94.9 | 96.2 | 97.7 | 98.4 | 98.8 | 98.8 | 99.2  | 99.4 | 99.4 | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 100                | 82.6                        | 94.9 | 96.2 | 97.7 | 98.4 | 98.8 | 98.8 | 99.2  | 99.4 | 99.4 | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 0                  | 82.6                        | 94.9 | 96.2 | 97.7 | 98.4 | 98.8 | 98.8 | 99.2  | 99.4 | 99.4 | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS: 430

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(IST): 0900-1100

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 |
| NO CEIL               | 54.9                        | 56.2    | 56.2    | 56.2    | 56.2    | 56.2    | 56.2    | 56.2    | 56.2    | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     | 56.2     |
| GE 20000              | 62.0                        | 64.0    | 64.0    | 64.0    | 64.0    | 64.0    | 64.0    | 64.0    | 64.0    | 64.0     | 64.0     | 64.0     | 64.0     | 64.0     | 64.0     | 64.0     |
| GE 18000              | 62.6                        | 64.5    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     |
| GE 16000              | 62.6                        | 64.5    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     | 64.5     |
| GE 14000              | 63.4                        | 65.4    | 65.4    | 65.4    | 65.4    | 65.4    | 65.4    | 65.4    | 65.4    | 65.4     | 65.4     | 65.4     | 65.4     | 65.4     | 65.4     | 65.4     |
| GE 12000              | 65.3                        | 67.6    | 67.7    | 67.7    | 67.7    | 67.7    | 67.7    | 67.7    | 67.7    | 67.7     | 67.7     | 67.7     | 67.7     | 67.7     | 67.7     | 67.7     |
| GE 10000              | 69.6                        | 71.1    | 71.2    | 71.2    | 71.2    | 71.2    | 71.2    | 71.2    | 71.2    | 71.2     | 71.2     | 71.2     | 71.2     | 71.2     | 71.2     | 71.2     |
| GE 9000               | 69.6                        | 71.1    | 71.2    | 71.2    | 71.2    | 71.2    | 71.2    | 71.2    | 71.2    | 71.2     | 71.2     | 71.2     | 71.2     | 71.2     | 71.2     | 71.2     |
| GE 8000               | 73.5                        | 73.5    | 73.1    | 73.1    | 73.1    | 73.1    | 73.1    | 73.1    | 73.1    | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     | 73.1     |
| GE 7000               | 73.1                        | 73.5    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7     | 73.7     | 73.7     | 73.7     | 73.7     | 73.7     | 73.7     |
| GE 6000               | 73.4                        | 74.0    | 74.1    | 74.1    | 74.1    | 74.1    | 74.1    | 74.1    | 74.1    | 74.1     | 74.1     | 74.1     | 74.1     | 74.1     | 74.1     | 74.1     |
| GE 5000               | 75.5                        | 75.5    | 75.6    | 75.6    | 75.6    | 75.6    | 75.6    | 75.6    | 75.6    | 75.6     | 75.6     | 75.6     | 75.6     | 75.6     | 75.6     | 75.6     |
| GE 4000               | 75.5                        | 76.7    | 76.8    | 76.8    | 76.8    | 76.8    | 76.8    | 76.8    | 76.8    | 76.8     | 76.8     | 76.8     | 76.8     | 76.8     | 76.8     | 76.8     |
| GE 3000               | 76.0                        | 76.2    | 79.4    | 79.4    | 79.4    | 79.4    | 79.4    | 79.4    | 79.4    | 79.4     | 79.4     | 79.4     | 79.4     | 79.4     | 79.4     | 79.4     |
| GE 2000               | 77.6                        | 80.9    | 81.1    | 81.1    | 81.1    | 81.1    | 81.1    | 81.1    | 81.1    | 81.1     | 81.1     | 81.1     | 81.1     | 81.1     | 81.1     | 81.1     |
| GE 1000               | 80.6                        | 84.1    | 84.4    | 84.4    | 84.5    | 84.5    | 84.5    | 84.5    | 84.5    | 84.5     | 84.5     | 84.5     | 84.5     | 84.5     | 84.5     | 84.5     |
| GE 800                | 84.0                        | 87.8    | 88.2    | 88.2    | 88.3    | 88.3    | 88.3    | 88.3    | 88.3    | 88.3     | 88.3     | 88.3     | 88.3     | 88.3     | 88.3     | 88.3     |
| GE 700                | 86.3                        | 90.6    | 91.1    | 91.1    | 91.2    | 91.2    | 91.2    | 91.2    | 91.2    | 91.2     | 91.2     | 91.2     | 91.2     | 91.2     | 91.2     | 91.2     |
| GE 600                | 86.6                        | 91.1    | 91.4    | 91.4    | 91.5    | 91.5    | 91.5    | 91.5    | 91.5    | 91.5     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5     |
| GE 500                | 88.3                        | 93.0    | 93.3    | 93.3    | 93.4    | 93.4    | 93.4    | 93.4    | 93.4    | 93.4     | 93.4     | 93.4     | 93.4     | 93.4     | 93.4     | 93.4     |
| GE 400                | 89.2                        | 94.4    | 94.7    | 94.7    | 94.8    | 94.8    | 94.8    | 94.8    | 94.8    | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     | 94.8     |
| GE 300                | 92.5                        | 95.1    | 95.4    | 95.6    | 95.7    | 95.8    | 95.8    | 95.8    | 95.8    | 95.8     | 95.8     | 95.8     | 95.8     | 95.8     | 95.8     | 95.8     |
| GE 200                | 92.8                        | 95.7    | 96.1    | 96.3    | 96.5    | 96.6    | 96.6    | 96.6    | 96.6    | 96.6     | 96.6     | 96.6     | 96.6     | 96.6     | 96.6     | 96.6     |
| GE 100                | 94.1                        | 96.1    | 96.7    | 96.9    | 97.1    | 97.2    | 97.2    | 97.2    | 97.2    | 97.2     | 97.2     | 97.2     | 97.2     | 97.2     | 97.2     | 97.2     |
| GE 80                 | 95.4                        | 96.6    | 97.3    | 97.8    | 98.3    | 98.4    | 98.4    | 98.4    | 98.4    | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     | 98.4     |
| GE 60                 | 97.4                        | 98.8    | 97.5    | 98.3    | 99.7    | 99.8    | 99.8    | 99.8    | 99.8    | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     |
| GE 40                 | 99.5                        | 98.9    | 97.8    | 98.7    | 99.2    | 99.4    | 99.5    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 30                 | 97.5                        | 98.9    | 97.8    | 98.7    | 99.2    | 99.4    | 99.5    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 20                 | 99.5                        | 98.9    | 97.8    | 98.7    | 99.2    | 99.4    | 99.5    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 10                 | 99.5                        | 98.9    | 97.8    | 98.7    | 99.2    | 99.4    | 99.5    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 0                  | 99.5                        | 98.9    | 97.8    | 98.7    | 99.2    | 99.4    | 99.5    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |

TOTAL NUMBER OF OBSERVATIONS: 430

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1200-1400

| CEILING  |      | VISIBILITY IN STATUTE MILES |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |
|----------|------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
| IN       | FEET | GE<br>1                     | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 |
| FEET     |      | 1                           | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10       | 11       | 12       | 13       | 14       | 15       | 16       |
| NO CEIL  | 54.5 | 55.3                        | 55.4    | 55.4    | 55.4    | 55.4    | 55.4    | 55.4    | 55.4    | 55.4    | 55.4     | 55.4     | 55.4     | 55.4     | 55.4     | 55.4     | 55.4     |
| GE 20000 | 63.1 | 64.1                        | 64.2    | 64.4    | 64.4    | 64.4    | 64.4    | 64.4    | 64.4    | 64.4    | 64.4     | 64.4     | 64.4     | 64.4     | 64.4     | 64.4     | 64.4     |
| GE 16000 | 63.7 | 64.6                        | 64.7    | 64.9    | 64.9    | 64.9    | 64.9    | 64.9    | 64.9    | 64.9    | 64.9     | 64.9     | 64.9     | 64.9     | 64.9     | 64.9     | 64.9     |
| GE 14000 | 63.7 | 64.6                        | 64.7    | 64.9    | 64.9    | 64.9    | 64.9    | 64.9    | 64.9    | 64.9    | 64.9     | 64.9     | 64.9     | 64.9     | 64.9     | 64.9     | 64.9     |
| GE 12000 | 64.9 | 65.8                        | 65.9    | 66.1    | 66.1    | 66.1    | 66.1    | 66.1    | 66.1    | 66.1    | 66.1     | 66.1     | 66.1     | 66.1     | 66.1     | 66.1     | 66.1     |
| GE 10000 | 66.9 | 68.1                        | 68.2    | 68.4    | 68.4    | 68.4    | 68.4    | 68.4    | 68.4    | 68.4    | 68.4     | 68.4     | 68.4     | 68.4     | 68.4     | 68.4     | 68.4     |
| GE 8000  | 70.1 | 71.3                        | 71.4    | 71.6    | 71.6    | 71.6    | 71.6    | 71.6    | 71.6    | 71.6    | 71.6     | 71.6     | 71.6     | 71.6     | 71.6     | 71.6     | 71.6     |
| GE 7000  | 70.2 | 71.5                        | 71.6    | 71.8    | 71.8    | 71.8    | 71.8    | 71.8    | 71.8    | 71.8    | 71.8     | 71.8     | 71.8     | 71.8     | 71.8     | 71.8     | 71.8     |
| GE 6000  | 72.2 | 73.3                        | 73.4    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7    | 73.7     | 73.7     | 73.7     | 73.7     | 73.7     | 73.7     | 73.7     |
| GE 5000  | 73.3 | 74.5                        | 74.6    | 74.8    | 74.8    | 74.8    | 74.8    | 74.8    | 74.8    | 74.8    | 74.8     | 74.8     | 74.8     | 74.8     | 74.8     | 74.8     | 74.8     |
| GE 4000  | 77.9 | 79.2                        | 79.3    | 79.5    | 79.5    | 79.5    | 79.5    | 79.5    | 79.5    | 79.5    | 79.5     | 79.5     | 79.5     | 79.5     | 79.5     | 79.5     | 79.5     |
| GE 3000  | 79.2 | 80.7                        | 80.9    | 81.1    | 81.1    | 81.1    | 81.1    | 81.1    | 81.1    | 81.1    | 81.1     | 81.1     | 81.1     | 81.1     | 81.1     | 81.1     | 81.1     |
| GE 2000  | 79.7 | 81.2                        | 81.4    | 81.6    | 81.6    | 81.6    | 81.6    | 81.6    | 81.6    | 81.6    | 81.6     | 81.6     | 81.6     | 81.6     | 81.6     | 81.6     | 81.6     |
| GE 1800  | 80.7 | 82.2                        | 82.4    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     |
| GE 1600  | 84.7 | 86.8                        | 87.0    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     |
| GE 1400  | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 1200  | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 1000  | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 800   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 700   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 600   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 500   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 400   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 300   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 200   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 180   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 160   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 140   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 120   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 100   | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 80    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 70    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 60    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 50    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 40    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 30    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 20    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 18    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 16    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 14    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 12    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 10    | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 8     | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 7     | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 6     | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 5     | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 4     | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 3     | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 2     | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |
| GE 1     | 84.8 | 86.9                        | 87.1    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3    | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     | 87.3     |

TOTAL NUMBER OF OBSERVATIONS: 911

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(IST): 1500-1700

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |      |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN FEET  | 1    | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL  | 1    | 57.6                        | 59.1 | 59.1 | 59.2 | 59.2 | 59.4     | 59.4 | 59.4     | 59.4     | 59.4 | 59.4   | 59.4   | 59.4   | 59.4    | 59.4   | 59.4 |
| GE 20000 | 69.9 | 71.7                        | 71.7 | 72.2 | 72.2 | 72.3 | 72.3     | 72.3 | 72.3     | 72.3     | 72.3 | 72.3   | 72.3   | 72.3   | 72.3    | 72.3   | 72.3 |
| GE 18000 | 70.0 | 71.8                        | 71.6 | 72.3 | 72.3 | 72.4 | 72.4     | 72.4 | 72.4     | 72.4     | 72.4 | 72.4   | 72.4   | 72.4   | 72.4    | 72.4   | 72.4 |
| GE 16000 | 70.0 | 71.8                        | 71.6 | 72.3 | 72.3 | 72.4 | 72.4     | 72.4 | 72.4     | 72.4     | 72.4 | 72.4   | 72.4   | 72.4   | 72.4    | 72.4   | 72.4 |
| GE 14000 | 70.9 | 72.7                        | 72.7 | 73.1 | 73.1 | 73.2 | 73.2     | 73.2 | 73.2     | 73.2     | 73.2 | 73.2   | 73.2   | 73.2   | 73.2    | 73.2   | 73.2 |
| GE 12000 | 72.8 | 75.6                        | 75.6 | 76.0 | 76.0 | 76.1 | 76.1     | 76.1 | 76.1     | 76.1     | 76.1 | 76.1   | 76.1   | 76.1   | 76.1    | 76.1   | 76.1 |
| GE 10000 | 76.3 | 78.2                        | 78.2 | 78.6 | 78.6 | 78.7 | 78.7     | 78.7 | 78.7     | 78.7     | 78.7 | 78.7   | 78.7   | 78.7   | 78.7    | 78.7   | 78.7 |
| GE 9000  | 76.6 | 78.4                        | 78.4 | 78.8 | 78.8 | 78.9 | 78.9     | 78.9 | 78.9     | 78.9     | 78.9 | 78.9   | 78.9   | 78.9   | 78.9    | 78.9   | 78.9 |
| GE 8000  | 77.5 | 80.4                        | 80.4 | 80.9 | 80.9 | 81.0 | 81.0     | 81.0 | 81.0     | 81.0     | 81.0 | 81.0   | 81.0   | 81.0   | 81.0    | 81.0   | 81.0 |
| GE 7000  | 74.8 | 81.8                        | 80.6 | 81.2 | 81.2 | 81.3 | 81.3     | 81.3 | 81.3     | 81.3     | 81.3 | 81.3   | 81.3   | 81.3   | 81.3    | 81.3   | 81.3 |
| GE 6000  | 77.2 | 81.2                        | 81.2 | 81.6 | 81.6 | 81.7 | 81.7     | 81.7 | 81.7     | 81.7     | 81.7 | 81.7   | 81.7   | 81.7   | 81.7    | 81.7   | 81.7 |
| GE 5000  | 81.2 | 83.2                        | 83.2 | 83.7 | 83.7 | 83.8 | 83.8     | 83.8 | 83.8     | 83.8     | 83.8 | 83.8   | 83.8   | 83.8   | 83.8    | 83.8   | 83.8 |
| GE 4000  | 81.7 | 83.9                        | 83.9 | 84.3 | 84.3 | 84.4 | 84.4     | 84.4 | 84.4     | 84.4     | 84.4 | 84.4   | 84.4   | 84.4   | 84.4    | 84.4   | 84.4 |
| GE 3000  | 86.7 | 84.8                        | 84.8 | 89.2 | 89.2 | 89.4 | 89.4     | 89.4 | 89.4     | 89.4     | 89.4 | 89.4   | 89.4   | 89.4   | 89.4    | 89.4   | 89.4 |
| GE 2000  | 88.8 | 91.3                        | 91.3 | 91.7 | 91.7 | 91.8 | 91.8     | 91.8 | 91.8     | 91.8     | 91.8 | 91.8   | 91.8   | 91.8   | 91.8    | 91.8   | 91.8 |
| GE 1000  | 92.0 | 94.6                        | 94.6 | 95.1 | 95.1 | 95.2 | 95.2     | 95.2 | 95.2     | 95.2     | 95.2 | 95.2   | 95.2   | 95.2   | 95.2    | 95.2   | 95.2 |
| GE 500   | 96.0 | 96.0                        | 96.0 | 96.5 | 96.5 | 96.6 | 96.6     | 96.6 | 96.6     | 96.6     | 96.6 | 96.6   | 96.6   | 96.6   | 96.6    | 96.6   | 96.6 |
| GE 400   | 94.1 | 97.1                        | 97.1 | 97.5 | 97.5 | 97.6 | 97.6     | 97.6 | 97.6     | 97.6     | 97.6 | 97.6   | 97.6   | 97.6   | 97.6    | 97.6   | 97.6 |
| GE 300   | 94.7 | 97.2                        | 97.2 | 97.6 | 97.6 | 97.7 | 97.7     | 97.7 | 97.7     | 97.7     | 97.7 | 97.7   | 97.7   | 97.7   | 97.7    | 97.7   | 97.7 |
| GE 200   | 94.5 | 97.6                        | 97.6 | 98.1 | 98.1 | 98.2 | 98.2     | 98.2 | 98.2     | 98.2     | 98.2 | 98.2   | 98.2   | 98.2   | 98.2    | 98.2   | 98.2 |
| GE 100   | 94.6 | 97.7                        | 97.7 | 98.2 | 98.2 | 98.3 | 98.3     | 98.3 | 98.3     | 98.3     | 98.3 | 98.3   | 98.3   | 98.3   | 98.3    | 98.3   | 98.3 |
| GE 50    | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 40    | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 30    | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 20    | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 10    | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 5     | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 4     | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 3     | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 2     | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 1     | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 0     | 94.8 | 98.0                        | 98.0 | 98.4 | 98.4 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |

1. THE NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH  
USAF/AC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS: 1800-2000

| CEILING<br>IN<br>FEET                        | VISIBILITY IN STATUTE MILES |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |          |
|--|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|  | GE<br>1                     | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 | GE<br>17 | GE<br>18 | GE<br>19 |
| NO DATA                                      | 61.0                        | 62.9    | 63.4    | 63.5    | 63.5    | 63.5    | 63.5    | 63.5    | 63.5    | 63.5     | 63.5     | 63.5     | 63.5     | 63.5     | 63.5     | 63.5     | 63.5     | 63.5     | 63.5     |
| GE 20000                                     | 77.3                        | 77.5    | 78.0    | 78.0    | 78.0    | 78.0    | 78.0    | 78.0    | 78.0    | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     | 78.0     |
| GE 18000                                     | 77.3                        | 77.7    | 78.2    | 78.2    | 78.2    | 78.2    | 78.2    | 78.2    | 78.2    | 78.2     | 78.2     | 78.2     | 78.2     | 78.2     | 78.2     | 78.2     | 78.2     | 78.2     | 78.2     |
| GE 16000                                     | 77.6                        | 77.8    | 78.3    | 78.3    | 78.3    | 78.3    | 78.3    | 78.3    | 78.3    | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     |
| GE 14000                                     | 77.6                        | 77.8    | 78.3    | 78.3    | 78.3    | 78.3    | 78.3    | 78.3    | 78.3    | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     |
| GE 12000                                     | 78.6                        | 80.0    | 80.0    | 80.0    | 80.0    | 80.0    | 80.0    | 80.0    | 80.0    | 80.0     | 80.0     | 80.0     | 80.0     | 80.0     | 80.0     | 80.0     | 80.0     | 80.0     | 80.0     |
| GE 10000                                     | 81.9                        | 82.2    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     |
| GE 8000                                      | 82.4                        | 82.6    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     |
| GE 6000                                      | 85.3                        | 85.5    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9     | 85.9     | 85.9     | 85.9     | 85.9     | 85.9     | 85.9     | 85.9     | 85.9     | 85.9     |
| GE 4000                                      | 86.1                        | 86.3    | 86.8    | 86.8    | 86.8    | 86.8    | 86.8    | 86.8    | 86.8    | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     |
| GE 2000                                      | 87.2                        | 87.4    | 87.8    | 87.8    | 87.8    | 87.8    | 87.8    | 87.8    | 87.8    | 87.8     | 87.8     | 87.8     | 87.8     | 87.8     | 87.8     | 87.8     | 87.8     | 87.8     | 87.8     |
| GE 1000                                      | 89.4                        | 89.4    | 89.8    | 89.8    | 89.8    | 89.8    | 89.8    | 89.8    | 89.8    | 89.8     | 89.8     | 89.8     | 89.8     | 89.8     | 89.8     | 89.8     | 89.8     | 89.8     | 89.8     |
| GE 800                                       | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 600                                       | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 400                                       | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 200                                       | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 100                                       | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 50  | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 25  | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 12.5                                      | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 6.25                                      | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 3.125                                     | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 1.5625                                    | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.78125                                   | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.390625                                  | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.1953125                                 | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.09765625                                | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.048828125                               | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0244140625                              | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.01220703125                             | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.006103515625                            | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0030517578125                           | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.00152587890625                          | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.000762939453125                         | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0003814697265625                        | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.00019073486328125                       | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.000095367431640625                      | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0000476837158203125                     | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.00002384185791015625                    | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.000011920928955078125                   | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0000059604644775390625                  | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.00000298023223876953125                 | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.000001490116119384765625                | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0000007450580596923828125               | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.00000037252902984619140625              | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.000000186264514923095703125             | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0000000931322574615478515625            | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.00000004656612873077392578125           | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.000000023283064365386962890625          | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0000000116415321826934814453125         | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.00000000582076609134674072265625        | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.000000002910383045673370361328125       | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0000000014551915228366851806640625      | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.00000000072759576141834259033203125     | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.000000000363797880709171295166015625    | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.0000000001818989403545856475830078125   | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.00000000009094947017728782375150390625  | 90.4                        | 90.4    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8    | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     | 90.8     |
| GE 0.000000000045474735088643911875751953125 |                             |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |          |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 2100-2300

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |
|----------|------|-----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN       | FEET | 1                           | 2    | 3    | 4    | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
| FEET     | 1    | 2                           | 3    | 4    | 5    | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    |
| NO CEIL  | 69.2 | 69.2                        | 69.5 | 69.5 | 69.5 | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  |
| GE 20000 | 77.1 | 75.4                        | 78.7 | 78.7 | 78.7 | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  |
| GE 18000 | 77.2 | 78.5                        | 78.8 | 78.8 | 78.8 | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  |
| GE 16000 | 77.5 | 78.8                        | 79.1 | 79.1 | 79.1 | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  |
| GE 14000 | 77.7 | 79.0                        | 79.4 | 79.4 | 79.4 | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  |
| GE 12000 | 79.5 | 81.0                        | 81.3 | 81.3 | 81.3 | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  |
| GE 10000 | 80.3 | 81.9                        | 82.3 | 82.3 | 82.3 | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  |
| GE 9000  | 80.3 | 81.9                        | 82.3 | 82.3 | 82.3 | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  |
| GE 8000  | 82.4 | 84.1                        | 84.4 | 84.4 | 84.4 | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  |
| GE 7000  | 82.6 | 84.4                        | 84.7 | 84.7 | 84.7 | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  |
| GE 6000  | 83.2 | 85.1                        | 85.4 | 85.4 | 85.4 | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  |
| GE 5000  | 85.7 | 88.0                        | 88.3 | 88.3 | 88.3 | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  |
| GE 4000  | 86.7 | 89.2                        | 89.6 | 89.6 | 89.6 | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  |
| GE 4000  | 89.2 | 92.3                        | 92.9 | 92.9 | 92.9 | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  |
| GE 3500  | 89.9 | 92.9                        | 93.5 | 93.5 | 93.5 | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  |
| GE 3000  | 91.3 | 94.5                        | 95.6 | 95.6 | 95.6 | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  |
| GE 2500  | 91.8 | 95.4                        | 96.1 | 96.5 | 96.5 | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  |
| GE 2000  | 92.2 | 95.7                        | 96.7 | 97.0 | 97.0 | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  |
| GE 1800  | 92.3 | 95.8                        | 96.8 | 97.1 | 97.1 | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  |
| GE 1500  | 93.2 | 97.1                        | 98.1 | 98.4 | 98.4 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| GE 1200  | 93.7 | 97.5                        | 98.5 | 98.8 | 98.8 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |
| GE 1000  | 94.0 | 97.8                        | 98.8 | 99.1 | 99.1 | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| GE 900   | 94.3 | 98.2                        | 99.1 | 99.5 | 99.5 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| GE 800   | 94.4 | 98.3                        | 99.2 | 99.6 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| GE 700   | 94.4 | 98.3                        | 99.2 | 99.6 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| GE 600   | 94.4 | 98.3                        | 99.2 | 99.6 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| GE 500   | 94.4 | 98.4                        | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400   | 94.4 | 98.4                        | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300   | 94.4 | 98.4                        | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200   | 94.4 | 98.4                        | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100   | 94.4 | 98.4                        | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0     | 94.4 | 98.4                        | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 400



AD-A190 356

DYESS AFB TEXAS REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS T. AND AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. JAN 88

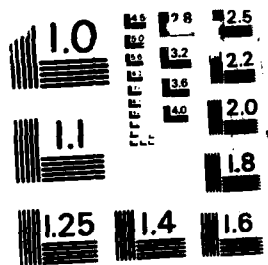
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NE



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |       |      |       |       |      |      |      |      |      |      |
|----------|------|-----------------------------|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|
| IN FEET  | GE   | GE                          | GE   | GE   | GE   | GE   | GE   | GE    | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   |
|          | 1    | 10                          | 6    | 5    | 4    | 3    | 2    | 1 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  |
|          | 0    |                             |      |      |      |      |      |       |      |       |       |      |      |      |      |      | 0    |
| NO CEIL  | 59.2 |                             | 61.3 | 61.5 | 61.6 | 61.7 | 61.7 | 61.7  | 61.7 | 61.7  | 61.7  | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| GE 20000 | 68.1 | 70.6                        | 70.9 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1  | 71.1  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 18000 | 68.5 | 71.0                        | 71.2 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5  | 71.5 | 71.5  | 71.5  | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 16000 | 69.7 | 71.0                        | 71.3 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5  | 71.5 | 71.5  | 71.5  | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 14000 | 69.1 | 71.6                        | 71.8 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1  | 72.1 | 72.1  | 72.1  | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 12000 | 70.9 | 71.5                        | 73.7 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0  | 74.0 | 74.0  | 74.0  | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 10000 | 73.3 | 76.1                        | 76.3 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6  | 76.6 | 76.6  | 76.6  | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 9000  | 73.4 | 76.2                        | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7  | 76.7 | 76.7  | 76.7  | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 8000  | 75.3 | 76.3                        | 78.5 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8  | 78.8 | 78.8  | 78.8  | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 7000  | 76.0 | 78.9                        | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4  | 79.4 | 79.4  | 79.4  | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 6000  | 76.6 | 79.6                        | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1  | 80.1 | 80.1  | 80.1  | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 5000  | 79.1 | 81.5                        | 81.8 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1  | 82.1 | 82.1  | 82.1  | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 4500  | 79.1 | 82.2                        | 83.1 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4  | 83.4 | 83.4  | 83.4  | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 4000  | 82.1 | 86.1                        | 86.5 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8  | 86.8 | 86.8  | 86.8  | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 3500  | 83.7 | 87.8                        | 88.2 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5  | 88.5 | 88.5  | 88.5  | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 3000  | 85.5 | 90.0                        | 90.4 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8  | 90.8 | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 2500  | 86.9 | 91.6                        | 92.1 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5  | 92.5 | 92.5  | 92.5  | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 2000  | 88.7 | 93.0                        | 93.6 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0 | 94.0  | 94.0  | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 1800  | 88.2 | 93.3                        | 93.9 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3  | 94.3 | 94.3  | 94.3  | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 1600  | 89.2 | 94.6                        | 95.1 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6  | 95.6 | 95.6  | 95.6  | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1400  | 89.7 | 95.4                        | 96.1 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6  | 96.6 | 96.6  | 96.6  | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 1200  | 90.2 | 96.1                        | 96.8 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5  | 97.5 | 97.5  | 97.5  | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 1000  | 90.6 | 96.6                        | 97.4 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1  | 98.1 | 98.1  | 98.1  | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 900   | 90.8 | 96.9                        | 97.6 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4  | 98.4 | 98.4  | 98.4  | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 800   | 90.8 | 97.0                        | 97.8 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7  | 98.7 | 98.7  | 98.7  | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 700   | 90.9 | 97.2                        | 98.0 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 600   | 90.9 | 97.3                        | 98.2 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 500   | 90.9 | 97.3                        | 98.2 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 400   | 90.9 | 97.3                        | 98.2 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 300   | 90.9 | 97.3                        | 98.2 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 200   | 90.9 | 97.3                        | 98.2 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 100   | 90.9 | 97.3                        | 98.2 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): 0000-0200

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 72.2 | 73.2                        | 73.3 | 73.3 | 73.3 | 73.3 | 73.3     | 73.3 | 73.3     | 73.3     | 73.3 | 73.3   | 73.3   | 73.3   | 73.3    | 73.3   | 73.3  |
| GE 20000 | 79.8 | 80.8                        | 80.9 | 80.9 | 80.9 | 80.9 | 80.9     | 80.9 | 80.9     | 80.9     | 80.9 | 80.9   | 80.9   | 80.9   | 80.9    | 80.9   | 80.9  |
| GE 18000 | 79.8 | 80.8                        | 80.9 | 80.9 | 80.9 | 80.9 | 80.9     | 80.9 | 80.9     | 80.9     | 80.9 | 80.9   | 80.9   | 80.9   | 80.9    | 80.9   | 80.9  |
| GE 16000 | 79.8 | 80.8                        | 80.9 | 80.9 | 80.9 | 80.9 | 80.9     | 80.9 | 80.9     | 80.9     | 80.9 | 80.9   | 80.9   | 80.9   | 80.9    | 80.9   | 80.9  |
| GE 14000 | 79.9 | 80.9                        | 81.0 | 81.0 | 81.0 | 81.0 | 81.0     | 81.0 | 81.0     | 81.0     | 81.0 | 81.0   | 81.0   | 81.0   | 81.0    | 81.0   | 81.0  |
| GE 12000 | 81.1 | 82.2                        | 82.3 | 82.3 | 82.3 | 82.3 | 82.3     | 82.3 | 82.3     | 82.3     | 82.3 | 82.3   | 82.3   | 82.3   | 82.3    | 82.3   | 82.3  |
| GE 10000 | 82.8 | 84.3                        | 84.6 | 84.6 | 84.6 | 84.6 | 84.6     | 84.6 | 84.6     | 84.6     | 84.6 | 84.6   | 84.6   | 84.6   | 84.6    | 84.6   | 84.6  |
| GE 9000  | 82.8 | 84.3                        | 84.6 | 84.6 | 84.6 | 84.6 | 84.6     | 84.6 | 84.6     | 84.6     | 84.6 | 84.6   | 84.6   | 84.6   | 84.6    | 84.6   | 84.6  |
| GE 8000  | 85.2 | 86.9                        | 87.1 | 87.1 | 87.1 | 87.1 | 87.1     | 87.1 | 87.1     | 87.1     | 87.1 | 87.1   | 87.1   | 87.1   | 87.1    | 87.1   | 87.1  |
| GE 7000  | 86.0 | 87.7                        | 87.9 | 87.9 | 87.9 | 87.9 | 87.9     | 87.9 | 87.9     | 87.9     | 87.9 | 87.9   | 87.9   | 87.9   | 87.9    | 87.9   | 87.9  |
| GE 6000  | 86.6 | 88.2                        | 88.4 | 88.4 | 88.4 | 88.4 | 88.4     | 88.4 | 88.4     | 88.4     | 88.4 | 88.4   | 88.4   | 88.4   | 88.4    | 88.4   | 88.4  |
| GE 5000  | 87.6 | 89.2                        | 89.4 | 89.4 | 89.4 | 89.4 | 89.4     | 89.4 | 89.4     | 89.4     | 89.4 | 89.4   | 89.4   | 89.4   | 89.4    | 89.4   | 89.4  |
| GE 4000  | 88.0 | 89.8                        | 90.0 | 90.0 | 90.0 | 90.0 | 90.0     | 90.0 | 90.0     | 90.0     | 90.0 | 90.0   | 90.0   | 90.0   | 90.0    | 90.0   | 90.0  |
| GE 4000  | 90.3 | 92.4                        | 92.7 | 92.7 | 92.7 | 92.7 | 92.7     | 92.8 | 92.8     | 92.8     | 92.8 | 92.8   | 92.8   | 92.8   | 92.8    | 92.8   | 92.8  |
| GE 3500  | 91.2 | 93.4                        | 93.8 | 93.8 | 93.8 | 93.8 | 93.8     | 93.9 | 93.9     | 93.9     | 93.9 | 93.9   | 93.9   | 93.9   | 93.9    | 93.9   | 93.9  |
| GE 3000  | 91.9 | 94.4                        | 94.8 | 94.9 | 94.9 | 94.9 | 94.9     | 95.0 | 95.0     | 95.0     | 95.0 | 95.0   | 95.0   | 95.0   | 95.0    | 95.0   | 95.0  |
| GE 2500  | 92.6 | 95.3                        | 95.7 | 95.8 | 95.8 | 95.8 | 95.8     | 96.0 | 96.0     | 96.0     | 96.0 | 96.0   | 96.0   | 96.0   | 96.0    | 96.0   | 96.0  |
| GE 2000  | 92.8 | 95.7                        | 96.0 | 96.1 | 96.2 | 96.3 | 96.4     | 96.4 | 96.4     | 96.4     | 96.4 | 96.4   | 96.4   | 96.4   | 96.4    | 96.4   | 96.4  |
| GE 1800  | 92.9 | 95.8                        | 96.1 | 96.2 | 96.3 | 96.4 | 96.4     | 96.6 | 96.6     | 96.6     | 96.6 | 96.6   | 96.6   | 96.6   | 96.6    | 96.6   | 96.6  |
| GE 1500  | 93.0 | 96.2                        | 96.6 | 96.7 | 96.8 | 96.9 | 97.0     | 97.0 | 97.0     | 97.0     | 97.0 | 97.0   | 97.0   | 97.0   | 97.0    | 97.0   | 97.0  |
| GE 1200  | 93.3 | 96.9                        | 97.2 | 97.3 | 97.4 | 97.7 | 97.8     | 97.8 | 97.8     | 97.8     | 97.8 | 97.8   | 97.8   | 97.8   | 97.8    | 97.8   | 97.8  |
| GE 1000  | 93.6 | 97.6                        | 98.0 | 98.1 | 98.2 | 98.4 | 98.6     | 98.6 | 98.6     | 98.6     | 98.6 | 98.6   | 98.6   | 98.6   | 98.6    | 98.6   | 98.6  |
| GE 900   | 93.6 | 97.6                        | 98.0 | 98.1 | 98.2 | 98.4 | 98.6     | 98.6 | 98.6     | 98.6     | 98.6 | 98.6   | 98.6   | 98.6   | 98.6    | 98.6   | 98.6  |
| GE 800   | 93.6 | 97.6                        | 98.0 | 98.1 | 98.2 | 98.4 | 98.6     | 98.6 | 98.6     | 98.6     | 98.6 | 98.6   | 98.6   | 98.6   | 98.6    | 98.6   | 98.6  |
| GE 700   | 93.6 | 97.6                        | 98.0 | 98.1 | 98.2 | 98.4 | 98.6     | 98.6 | 98.6     | 98.6     | 98.6 | 98.6   | 98.6   | 98.6   | 98.6    | 98.6   | 98.6  |
| GE 600   | 93.9 | 98.1                        | 98.6 | 98.7 | 98.8 | 99.0 | 99.1     | 99.1 | 99.1     | 99.1     | 99.1 | 99.1   | 99.1   | 99.1   | 99.1    | 99.1   | 99.1  |
| GE 500   | 93.9 | 98.6                        | 99.0 | 99.2 | 99.4 | 99.7 | 99.8     | 99.8 | 99.8     | 99.8     | 99.8 | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   | 99.9  |
| GE 400   | 93.9 | 98.6                        | 99.0 | 99.2 | 99.4 | 99.7 | 99.8     | 99.8 | 99.8     | 99.8     | 99.8 | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   | 99.9  |
| GE 300   | 93.9 | 98.7                        | 99.1 | 99.3 | 99.6 | 99.8 | 99.9     | 99.9 | 99.9     | 99.9     | 99.9 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 200   | 93.9 | 98.7                        | 99.1 | 99.3 | 99.6 | 99.8 | 99.9     | 99.9 | 99.9     | 99.9     | 99.9 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 100   | 93.9 | 98.7                        | 99.1 | 99.3 | 99.6 | 99.8 | 99.9     | 99.9 | 99.9     | 99.9     | 99.9 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 0     | 93.9 | 98.7                        | 99.1 | 99.3 | 99.6 | 99.8 | 99.9     | 99.9 | 99.9     | 99.9     | 99.9 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 0300-0500

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 |
| NO CEIL               | 68.3                        | 69.3    | 69.4    | 69.4    | 69.4    | 69.4    | 69.4    | 69.4    | 69.4    | 69.4     | 69.4     | 69.4     | 69.4     | 69.4     | 69.4     | 69.4     |
| GE 20000              | 75.7                        | 77.0    | 77.3    | 77.3    | 77.3    | 77.3    | 77.3    | 77.3    | 77.3    | 77.3     | 77.3     | 77.3     | 77.3     | 77.3     | 77.3     | 77.3     |
| GE 18000              | 75.8                        | 77.1    | 77.4    | 77.4    | 77.4    | 77.4    | 77.4    | 77.4    | 77.4    | 77.4     | 77.4     | 77.4     | 77.4     | 77.4     | 77.4     | 77.4     |
| GE 16000              | 75.9                        | 77.2    | 77.6    | 77.6    | 77.6    | 77.6    | 77.6    | 77.6    | 77.6    | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     | 77.6     |
| GE 14000              | 76.0                        | 77.3    | 77.7    | 77.7    | 77.7    | 77.7    | 77.7    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     |
| GE 12000              | 77.0                        | 78.3    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7     | 78.7     | 78.7     | 78.7     | 78.7     | 78.7     | 78.7     |
| GE 10000              | 78.3                        | 79.9    | 80.2    | 80.3    | 80.3    | 80.3    | 80.3    | 80.3    | 80.3    | 80.3     | 80.3     | 80.3     | 80.3     | 80.3     | 80.3     | 80.3     |
| GE 9000               | 79.7                        | 80.2    | 80.6    | 80.7    | 80.7    | 80.7    | 80.7    | 80.7    | 80.7    | 80.7     | 80.7     | 80.7     | 80.7     | 80.7     | 80.7     | 80.7     |
| GE 8000               | 80.7                        | 82.2    | 82.6    | 82.7    | 82.7    | 82.7    | 82.7    | 82.7    | 82.7    | 82.7     | 82.7     | 82.7     | 82.7     | 82.7     | 82.7     | 82.7     |
| GE 7000               | 81.3                        | 82.9    | 83.2    | 83.3    | 83.3    | 83.3    | 83.3    | 83.3    | 83.3    | 83.3     | 83.3     | 83.3     | 83.3     | 83.3     | 83.3     | 83.3     |
| GE 6000               | 82.4                        | 84.0    | 84.3    | 84.4    | 84.4    | 84.4    | 84.4    | 84.4    | 84.4    | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     | 84.4     |
| GE 5000               | 83.8                        | 85.6    | 85.9    | 86.0    | 86.0    | 86.0    | 86.0    | 86.0    | 86.0    | 86.0     | 86.0     | 86.0     | 86.0     | 86.0     | 86.0     | 86.0     |
| GE 4500               | 84.3                        | 86.3    | 86.8    | 86.9    | 86.9    | 86.9    | 86.9    | 86.9    | 86.9    | 86.9     | 86.9     | 86.9     | 86.9     | 86.9     | 86.9     | 86.9     |
| GE 4000               | 85.7                        | 87.9    | 88.3    | 88.4    | 88.4    | 88.4    | 88.4    | 88.4    | 88.4    | 88.4     | 88.4     | 88.4     | 88.4     | 88.4     | 88.4     | 88.4     |
| GE 3500               | 86.6                        | 89.0    | 89.6    | 89.7    | 89.7    | 89.7    | 89.7    | 89.7    | 89.7    | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     |
| GE 3000               | 87.1                        | 90.1    | 90.7    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0     | 91.0     | 91.0     | 91.0     | 91.0     | 91.0     | 91.0     |
| GE 2500               | 88.3                        | 91.3    | 91.9    | 92.3    | 92.3    | 92.3    | 92.3    | 92.3    | 92.3    | 92.3     | 92.3     | 92.3     | 92.3     | 92.3     | 92.3     | 92.3     |
| GE 2000               | 90.3                        | 93.9    | 94.4    | 95.0    | 95.0    | 95.0    | 95.0    | 95.0    | 95.0    | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     |
| GE 1900               | 90.7                        | 94.2    | 94.8    | 95.3    | 95.3    | 95.3    | 95.3    | 95.3    | 95.3    | 95.3     | 95.3     | 95.3     | 95.3     | 95.3     | 95.3     | 95.3     |
| GE 1800               | 91.9                        | 95.4    | 96.1    | 96.7    | 96.7    | 96.7    | 96.7    | 96.7    | 96.7    | 96.7     | 96.7     | 96.7     | 96.7     | 96.7     | 96.7     | 96.7     |
| GE 1700               | 92.1                        | 96.0    | 96.7    | 97.2    | 97.3    | 97.3    | 97.3    | 97.3    | 97.3    | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     |
| GE 1600               | 92.3                        | 96.4    | 97.1    | 97.7    | 97.8    | 97.8    | 97.8    | 97.8    | 97.8    | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     | 97.8     |
| GE 1500               | 92.4                        | 96.6    | 97.2    | 97.8    | 97.9    | 97.9    | 97.9    | 97.9    | 97.9    | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     | 97.9     |
| GE 1400               | 92.6                        | 96.7    | 97.3    | 97.9    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1300               | 92.6                        | 96.8    | 97.4    | 98.0    | 98.1    | 98.1    | 98.1    | 98.1    | 98.1    | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     |
| GE 1200               | 92.6                        | 97.2    | 97.9    | 98.4    | 98.6    | 98.6    | 98.6    | 98.6    | 98.6    | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     | 98.6     |
| GE 1100               | 92.6                        | 97.8    | 98.6    | 99.1    | 99.3    | 99.3    | 99.3    | 99.3    | 99.3    | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     | 99.3     |
| GE 1000               | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 900                | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 800                | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 700                | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 600                | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 500                | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 400                | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 300                | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 200                | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 100                | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 0                  | 92.6                        | 97.8    | 98.6    | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 0600-0800

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 57.4 | 60.0                        | 60.0 | 60.0 | 60.1 | 60.1 | 60.2     | 60.2 | 60.2     | 60.2     | 60.2 | 60.2   | 60.2   | 60.2   | 60.2    | 60.2   | 60.3  |
| GE 20000 | 66.6 | 69.8                        | 69.8 | 69.8 | 69.9 | 69.9 | 70.0     | 70.0 | 70.0     | 70.0     | 70.1 | 70.1   | 70.1   | 70.1   | 70.1    | 70.1   | 70.2  |
| GE 18000 | 67.1 | 70.1                        | 70.1 | 70.1 | 70.2 | 70.2 | 70.3     | 70.3 | 70.3     | 70.3     | 70.4 | 70.4   | 70.4   | 70.4   | 70.4    | 70.4   | 70.6  |
| GE 16000 | 67.1 | 70.1                        | 70.1 | 70.1 | 70.2 | 70.2 | 70.3     | 70.3 | 70.3     | 70.3     | 70.4 | 70.4   | 70.4   | 70.4   | 70.4    | 70.4   | 70.6  |
| GE 14000 | 67.8 | 70.8                        | 70.8 | 70.8 | 70.9 | 70.9 | 71.0     | 71.0 | 71.0     | 71.0     | 71.1 | 71.1   | 71.1   | 71.1   | 71.1    | 71.1   | 71.2  |
| GE 12000 | 70.1 | 73.2                        | 73.2 | 73.2 | 73.3 | 73.3 | 73.4     | 73.4 | 73.4     | 73.4     | 73.6 | 73.6   | 73.6   | 73.6   | 73.6    | 73.6   | 73.7  |
| GE 10000 | 72.2 | 75.4                        | 75.6 | 75.6 | 75.7 | 75.7 | 75.9     | 75.9 | 75.9     | 76.0     | 76.0 | 76.0   | 76.0   | 76.0   | 76.0    | 76.0   | 76.1  |
| GE 9000  | 72.9 | 76.1                        | 76.2 | 76.2 | 76.3 | 76.3 | 76.6     | 76.6 | 76.6     | 76.7     | 76.7 | 76.7   | 76.7   | 76.7   | 76.7    | 76.7   | 76.8  |
| GE 8000  | 74.8 | 78.1                        | 78.2 | 78.2 | 78.6 | 78.6 | 78.9     | 78.6 | 78.8     | 78.9     | 78.9 | 78.9   | 78.9   | 78.9   | 78.9    | 78.9   | 79.0  |
| GE 7000  | 76.0 | 79.3                        | 79.4 | 79.4 | 79.8 | 79.6 | 80.0     | 80.0 | 80.0     | 80.1     | 80.1 | 80.1   | 80.1   | 80.1   | 80.1    | 80.1   | 80.2  |
| GE 6000  | 76.7 | 80.0                        | 80.1 | 80.1 | 80.4 | 80.4 | 80.7     | 80.7 | 80.7     | 80.8     | 80.8 | 80.8   | 80.8   | 80.8   | 80.8    | 80.8   | 80.9  |
| GE 5000  | 78.0 | 81.4                        | 81.6 | 81.6 | 82.1 | 82.1 | 82.3     | 82.3 | 82.3     | 82.4     | 82.4 | 82.4   | 82.4   | 82.4   | 82.4    | 82.4   | 82.6  |
| GE 4500  | 78.7 | 81.6                        | 81.9 | 81.9 | 82.4 | 82.4 | 82.7     | 82.7 | 82.7     | 82.8     | 82.8 | 82.8   | 82.8   | 82.8   | 82.8    | 82.8   | 82.9  |
| GE 4000  | 79.4 | 83.3                        | 83.4 | 83.4 | 84.0 | 84.0 | 84.2     | 84.2 | 84.2     | 84.3     | 84.3 | 84.3   | 84.3   | 84.3   | 84.3    | 84.3   | 84.4  |
| GE 3500  | 79.6 | 83.4                        | 83.6 | 83.6 | 84.1 | 84.1 | 84.3     | 84.3 | 84.3     | 84.4     | 84.4 | 84.4   | 84.4   | 84.4   | 84.4    | 84.4   | 84.6  |
| GE 3000  | 79.9 | 84.1                        | 84.2 | 84.2 | 84.8 | 84.8 | 85.0     | 85.0 | 85.0     | 85.1     | 85.1 | 85.1   | 85.1   | 85.1   | 85.1    | 85.1   | 85.2  |
| GE 2500  | 81.9 | 86.1                        | 86.2 | 86.2 | 86.8 | 86.6 | 87.0     | 87.0 | 87.0     | 87.1     | 87.1 | 87.1   | 87.1   | 87.1   | 87.1    | 87.1   | 87.2  |
| GE 2000  | 85.3 | 90.2                        | 90.4 | 90.4 | 91.0 | 91.0 | 91.2     | 91.2 | 91.2     | 91.3     | 91.4 | 91.4   | 91.4   | 91.4   | 91.4    | 91.4   | 91.6  |
| GE 1800  | 86.2 | 91.1                        | 91.3 | 91.3 | 92.0 | 92.0 | 92.2     | 92.2 | 92.2     | 92.3     | 92.4 | 92.4   | 92.4   | 92.4   | 92.4    | 92.4   | 92.6  |
| GE 1500  | 87.2 | 92.3                        | 92.6 | 92.6 | 93.4 | 93.4 | 93.7     | 93.7 | 93.7     | 93.8     | 93.9 | 93.9   | 93.9   | 93.9   | 93.9    | 93.9   | 94.0  |
| GE 1200  | 88.3 | 93.4                        | 93.8 | 94.0 | 94.7 | 94.7 | 94.9     | 94.9 | 94.9     | 95.0     | 95.1 | 95.1   | 95.1   | 95.1   | 95.1    | 95.1   | 95.2  |
| GE 1000  | 89.8 | 94.2                        | 94.6 | 95.1 | 95.8 | 95.8 | 96.0     | 96.0 | 96.0     | 96.1     | 96.2 | 96.2   | 96.2   | 96.2   | 96.2    | 96.2   | 96.3  |
| GE 900   | 89.0 | 94.6                        | 95.0 | 95.7 | 96.3 | 96.4 | 96.7     | 96.7 | 96.7     | 96.8     | 96.9 | 96.9   | 96.9   | 96.9   | 96.9    | 96.9   | 97.0  |
| GE 800   | 89.3 | 95.1                        | 95.7 | 96.4 | 97.2 | 97.3 | 97.6     | 97.6 | 97.6     | 97.7     | 97.8 | 97.8   | 97.8   | 97.8   | 97.8    | 97.8   | 97.9  |
| GE 700   | 89.4 | 95.4                        | 96.0 | 96.8 | 97.6 | 97.7 | 97.9     | 97.9 | 97.9     | 98.0     | 98.1 | 98.1   | 98.1   | 98.1   | 98.1    | 98.1   | 98.2  |
| GE 600   | 89.4 | 95.4                        | 96.2 | 97.2 | 98.0 | 98.1 | 98.3     | 98.4 | 98.4     | 98.6     | 98.7 | 98.7   | 98.7   | 98.7   | 98.7    | 98.7   | 98.8  |
| GE 500   | 89.4 | 95.7                        | 96.4 | 97.4 | 98.2 | 98.3 | 98.8     | 98.9 | 98.9     | 99.0     | 99.1 | 99.1   | 99.1   | 99.1   | 99.1    | 99.1   | 99.2  |
| GE 400   | 89.4 | 95.7                        | 96.4 | 97.4 | 98.3 | 98.4 | 98.9     | 99.0 | 99.0     | 99.1     | 99.3 | 99.3   | 99.3   | 99.3   | 99.3    | 99.3   | 99.4  |
| GE 300   | 89.4 | 95.7                        | 96.4 | 97.4 | 98.4 | 98.6 | 99.0     | 99.1 | 99.1     | 99.3     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.7  |
| GE 200   | 89.4 | 95.8                        | 96.6 | 97.6 | 98.6 | 98.7 | 99.1     | 99.3 | 99.3     | 99.6     | 99.8 | 99.8   | 99.8   | 99.8   | 99.8    | 99.8   | 99.9  |
| GE 100   | 89.4 | 95.8                        | 96.6 | 97.6 | 98.6 | 98.7 | 99.1     | 99.3 | 99.3     | 99.6     | 99.8 | 99.8   | 99.8   | 99.8   | 99.8    | 99.8   | 99.9  |
| GE 0     | 89.4 | 95.8                        | 96.6 | 97.6 | 98.6 | 98.7 | 99.1     | 99.3 | 99.3     | 99.6     | 99.8 | 99.8   | 99.8   | 99.8   | 99.8    | 99.8   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 0900-1100

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 |
| NO CEIL               | 60.8                        | 61.9    | 61.9    | 61.9    | 61.9    | 61.9    | 61.9    | 61.9    | 61.9    | 61.9     | 61.9     | 61.9     | 61.9     | 61.9     | 61.9     | 61.9     |
| GE 20000              | 69.9                        | 71.1    | 71.1    | 71.1    | 71.1    | 71.1    | 71.1    | 71.1    | 71.1    | 71.1     | 71.1     | 71.1     | 71.1     | 71.1     | 71.1     | 71.1     |
| GE 18000              | 70.2                        | 71.4    | 71.4    | 71.4    | 71.4    | 71.4    | 71.4    | 71.4    | 71.4    | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     | 71.4     |
| GE 16000              | 70.3                        | 71.6    | 71.6    | 71.6    | 71.6    | 71.6    | 71.6    | 71.6    | 71.6    | 71.6     | 71.6     | 71.6     | 71.6     | 71.6     | 71.6     | 71.6     |
| GE 14000              | 71.2                        | 72.4    | 72.4    | 72.4    | 72.4    | 72.4    | 72.4    | 72.4    | 72.4    | 72.4     | 72.4     | 72.4     | 72.4     | 72.4     | 72.4     | 72.4     |
| GE 12000              | 74.2                        | 75.4    | 75.4    | 75.4    | 75.4    | 75.4    | 75.4    | 75.4    | 75.4    | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     |
| GE 10000              | 76.3                        | 77.9    | 77.9    | 77.9    | 77.9    | 77.9    | 77.9    | 77.9    | 77.9    | 77.9     | 77.9     | 77.9     | 77.9     | 77.9     | 77.9     | 77.9     |
| GE 9000               | 77.4                        | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0     | 79.0     | 79.0     | 79.0     | 79.0     | 79.0     | 79.0     |
| GE 8000               | 79.6                        | 80.8    | 80.8    | 80.8    | 80.8    | 80.8    | 80.8    | 80.8    | 80.8    | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     |
| GE 7000               | 79.9                        | 80.6    | 80.6    | 80.6    | 80.6    | 80.6    | 80.6    | 80.6    | 80.6    | 80.6     | 80.6     | 80.6     | 80.6     | 80.6     | 80.6     | 80.6     |
| GE 6000               | 79.6                        | 81.2    | 81.2    | 81.2    | 81.2    | 81.2    | 81.2    | 81.2    | 81.2    | 81.2     | 81.2     | 81.2     | 81.2     | 81.2     | 81.2     | 81.2     |
| GE 5000               | 79.7                        | 81.9    | 81.9    | 82.1    | 82.2    | 82.2    | 82.2    | 82.2    | 82.2    | 82.2     | 82.2     | 82.2     | 82.2     | 82.2     | 82.2     | 82.2     |
| GE 4500               | 79.9                        | 82.1    | 82.2    | 82.4    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     | 82.6     |
| GE 4000               | 81.2                        | 82.7    | 83.8    | 84.1    | 84.2    | 84.2    | 84.2    | 84.2    | 84.2    | 84.2     | 84.2     | 84.2     | 84.2     | 84.2     | 84.2     | 84.2     |
| GE 3500               | 82.4                        | 84.9    | 85.0    | 85.3    | 85.4    | 85.4    | 85.4    | 85.4    | 85.4    | 85.4     | 85.4     | 85.4     | 85.4     | 85.4     | 85.4     | 85.4     |
| GE 3000               | 84.6                        | 87.2    | 87.3    | 87.8    | 87.9    | 87.9    | 87.9    | 87.9    | 87.9    | 87.9     | 87.9     | 87.9     | 87.9     | 87.9     | 87.9     | 87.9     |
| GE 2500               | 87.8                        | 90.8    | 90.9    | 91.3    | 91.4    | 91.4    | 91.4    | 91.4    | 91.4    | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     |
| GE 2000               | 89.9                        | 93.2    | 93.3    | 93.8    | 93.9    | 93.9    | 93.9    | 93.9    | 93.9    | 93.9     | 93.9     | 93.9     | 93.9     | 93.9     | 93.9     | 93.9     |
| GE 1800               | 90.4                        | 94.0    | 94.1    | 94.6    | 94.7    | 94.7    | 94.7    | 94.7    | 94.7    | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     | 94.7     |
| GE 1500               | 91.4                        | 95.2    | 95.3    | 95.8    | 95.9    | 95.9    | 95.9    | 95.9    | 96.0    | 96.0     | 96.0     | 96.0     | 96.1     | 96.1     | 96.1     | 96.1     |
| GE 1200               | 92.0                        | 96.0    | 96.1    | 96.7    | 96.8    | 96.8    | 96.8    | 96.8    | 96.9    | 96.9     | 96.9     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     |
| GE 1000               | 92.3                        | 96.6    | 96.8    | 97.4    | 97.6    | 97.6    | 97.6    | 97.7    | 97.7    | 97.7     | 97.7     | 97.7     | 97.8     | 97.8     | 97.8     | 97.8     |
| GE 900                | 92.4                        | 96.8    | 97.0    | 97.7    | 97.8    | 97.9    | 97.9    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.1     | 98.1     | 98.1     | 98.1     |
| GE 800                | 92.4                        | 96.8    | 97.1    | 97.8    | 97.9    | 98.0    | 98.0    | 98.0    | 98.1    | 98.1     | 98.1     | 98.1     | 98.2     | 98.2     | 98.2     | 98.2     |
| GE 700                | 92.4                        | 97.1    | 97.4    | 98.4    | 98.6    | 98.7    | 98.7    | 98.8    | 98.8    | 98.8     | 98.8     | 98.8     | 98.9     | 98.9     | 98.9     | 98.9     |
| GE 600                | 92.4                        | 97.2    | 97.7    | 98.9    | 99.0    | 99.1    | 99.1    | 99.2    | 99.2    | 99.2     | 99.2     | 99.2     | 99.3     | 99.3     | 99.3     | 99.3     |
| GE 500                | 92.6                        | 97.6    | 98.0    | 99.2    | 99.3    | 99.4    | 99.4    | 99.7    | 99.7    | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     |
| GE 400                | 92.6                        | 97.6    | 98.0    | 99.2    | 99.3    | 99.4    | 99.4    | 99.7    | 99.7    | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     |
| GE 300                | 92.6                        | 97.6    | 98.0    | 99.2    | 99.3    | 99.4    | 99.4    | 99.7    | 99.7    | 99.7     | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     |
| GE 200                | 92.6                        | 97.6    | 98.0    | 99.2    | 99.3    | 99.4    | 99.4    | 99.7    | 99.7    | 99.7     | 99.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    |
| GE 100                | 92.6                        | 97.6    | 98.0    | 99.2    | 99.3    | 99.4    | 99.4    | 99.7    | 99.7    | 99.7     | 99.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    |
| GE                    | 92.6                        | 97.6    | 98.0    | 99.2    | 99.3    | 99.4    | 99.4    | 99.7    | 99.7    | 99.7     | 99.7     | 99.7     | 99.8     | 100.0    | 100.0    | 100.0    |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 1200-1400

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |            |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
|                       | GE<br>10                    | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GF<br>2 1/2 | GE<br>2 | GF<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 65.0                        | 65.9    | 65.9    | 65.9    | 65.9    | 65.9        | 65.9    | 65.9        | 65.9        | 65.9    | 65.9      | 65.9      | 65.9      | 65.9       | 65.9      | 65.9    |
| GE 20000              | 74.0                        | 74.9    | 74.9    | 74.9    | 74.9    | 74.9        | 74.9    | 74.9        | 74.9        | 74.9    | 74.9      | 74.9      | 74.9      | 74.9       | 74.9      | 74.9    |
| GE 18000              | 74.1                        | 75.0    | 75.0    | 75.0    | 75.0    | 75.0        | 75.0    | 75.0        | 75.0        | 75.0    | 75.0      | 75.0      | 75.0      | 75.0       | 75.0      | 75.0    |
| GE 16000              | 74.2                        | 75.1    | 75.1    | 75.1    | 75.1    | 75.1        | 75.1    | 75.1        | 75.1        | 75.1    | 75.1      | 75.1      | 75.1      | 75.1       | 75.1      | 75.1    |
| GE 14000              | 75.3                        | 76.2    | 76.2    | 76.2    | 76.2    | 76.2        | 76.2    | 76.2        | 76.2        | 76.2    | 76.2      | 76.2      | 76.2      | 76.2       | 76.2      | 76.2    |
| GE 12000              | 76.4                        | 77.3    | 77.3    | 77.3    | 77.3    | 77.3        | 77.3    | 77.3        | 77.3        | 77.3    | 77.3      | 77.3      | 77.3      | 77.3       | 77.3      | 77.3    |
| GE 10000              | 78.2                        | 79.6    | 79.6    | 79.6    | 79.6    | 79.6        | 79.6    | 79.6        | 79.6        | 79.6    | 79.6      | 79.6      | 79.6      | 79.6       | 79.6      | 79.6    |
| GE 9000               | 78.4                        | 79.8    | 79.8    | 79.8    | 79.8    | 79.8        | 79.8    | 79.8        | 79.8        | 79.8    | 79.8      | 79.8      | 79.8      | 79.8       | 79.8      | 79.8    |
| GE 8000               | 79.9                        | 81.4    | 81.4    | 81.4    | 81.4    | 81.4        | 81.4    | 81.4        | 81.4        | 81.4    | 81.4      | 81.4      | 81.4      | 81.4       | 81.4      | 81.4    |
| GE 7000               | 80.2                        | 81.8    | 81.8    | 81.8    | 81.8    | 81.8        | 81.8    | 81.8        | 81.8        | 81.8    | 81.8      | 81.8      | 81.8      | 81.8       | 81.8      | 81.8    |
| GE 6000               | 83.2                        | 81.9    | 81.9    | 81.9    | 81.9    | 81.9        | 81.9    | 81.9        | 81.9        | 81.9    | 81.9      | 81.9      | 81.9      | 81.9       | 81.9      | 81.9    |
| GE 5000               | 82.7                        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4       | 82.4      | 82.4    |
| GE 4500               | 81.2                        | 83.0    | 83.0    | 83.0    | 83.0    | 83.0        | 83.0    | 83.0        | 83.0        | 83.0    | 83.0      | 83.0      | 83.0      | 83.0       | 83.0      | 83.0    |
| GE 4000               | 83.9                        | 85.7    | 85.7    | 85.7    | 85.7    | 85.7        | 85.7    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.7      | 85.7       | 85.7      | 85.7    |
| GE 3500               | 87.3                        | 89.1    | 89.1    | 89.1    | 89.1    | 89.1        | 89.1    | 89.1        | 89.1        | 89.1    | 89.1      | 89.1      | 89.1      | 89.1       | 89.1      | 89.1    |
| GE 3000               | 91.8                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.3        | 94.3        | 94.3    | 94.3      | 94.3      | 94.3      | 94.3       | 94.3      | 94.3    |
| GE 2500               | 91.7                        | 96.4    | 96.4    | 96.4    | 96.4    | 96.4        | 96.4    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6       | 96.6      | 96.6    |
| GE 2000               | 94.8                        | 97.6    | 97.6    | 97.6    | 97.6    | 97.6        | 97.6    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7       | 97.7      | 97.7    |
| GE 1800               | 94.9                        | 97.7    | 97.7    | 97.7    | 97.8    | 97.8        | 97.8    | 97.9        | 97.9        | 97.9    | 97.9      | 97.9      | 97.9      | 97.9       | 97.9      | 97.9    |
| GE 1600               | 95.2                        | 98.1    | 98.2    | 98.2    | 98.3    | 98.3        | 98.3    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4       | 98.4      | 98.4    |
| GE 1400               | 95.4                        | 98.7    | 98.8    | 98.8    | 98.9    | 98.9        | 98.9    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0       | 99.0      | 99.0    |
| GE 1200               | 95.4                        | 98.7    | 98.8    | 99.0    | 99.1    | 99.1        | 99.1    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2       | 99.2      | 99.2    |
| GE 1000               | 95.4                        | 98.8    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3       | 99.3      | 99.3    |
| GE 900                | 95.4                        | 98.8    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3       | 99.3      | 99.3    |
| GE 800                | 95.4                        | 98.8    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3       | 99.3      | 99.3    |
| GE 700                | 95.4                        | 98.8    | 98.9    | 99.1    | 99.2    | 99.2        | 99.2    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3       | 99.3      | 99.3    |
| GE 600                | 95.6                        | 98.9    | 99.1    | 99.4    | 99.7    | 99.7        | 99.7    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8       | 99.8      | 99.8    |
| GE 500                | 95.6                        | 98.9    | 99.2    | 99.6    | 99.8    | 99.8        | 99.8    | 99.9        | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |
| GE 400                | 95.6                        | 98.9    | 99.2    | 99.6    | 99.8    | 99.8        | 99.8    | 99.9        | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |
| GE 300                | 95.6                        | 98.9    | 99.2    | 99.6    | 99.8    | 99.8        | 99.8    | 99.9        | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |
| GE 200                | 95.6                        | 98.9    | 99.2    | 99.6    | 99.8    | 99.8        | 99.8    | 99.9        | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |
| GE 100                | 95.6                        | 98.9    | 99.2    | 99.6    | 99.8    | 99.8        | 99.8    | 99.9        | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |
| GE 0                  | 95.6                        | 98.9    | 99.2    | 99.6    | 99.8    | 99.8        | 99.8    | 99.9        | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): 1500-1700

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |      |      |      |
|----------|------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|
| IN       | FEET | GE                          | GE   | GE   | GE   | GE   | GE    | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE   |
|          |      | 10                          | 6    | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0    |
| NO CEIL  |      | 69.1                        | 70.3 | 70.3 | 70.3 | 70.3 | 70.3  | 70.3 | 70.3  | 70.3  | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 20000 | 79.7 | 81.1                        | 81.1 | 81.1 | 81.1 | 81.1 | 81.1  | 81.1 | 81.1  | 81.1  | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 18000 | 79.8 | 81.2                        | 81.2 | 81.2 | 81.2 | 81.2 | 81.2  | 81.2 | 81.2  | 81.2  | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 16000 | 79.9 | 81.3                        | 81.3 | 81.3 | 81.3 | 81.3 | 81.3  | 81.3 | 81.3  | 81.3  | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 14000 | 81.3 | 82.6                        | 82.6 | 82.6 | 82.6 | 82.6 | 82.6  | 82.6 | 82.6  | 82.6  | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 12000 | 82.3 | 83.6                        | 83.6 | 83.6 | 83.6 | 83.6 | 83.6  | 83.6 | 83.6  | 83.6  | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 10000 | 87.0 | 84.8                        | 84.8 | 84.8 | 84.8 | 84.8 | 84.8  | 84.8 | 84.8  | 84.8  | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 9000  | 87.0 | 84.8                        | 84.8 | 84.8 | 84.8 | 84.8 | 84.8  | 84.8 | 84.8  | 84.8  | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 8000  | 84.8 | 86.7                        | 86.7 | 86.7 | 86.7 | 86.7 | 86.7  | 86.7 | 86.7  | 86.7  | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 7000  | 86.1 | 87.0                        | 87.0 | 87.0 | 87.0 | 87.0 | 87.0  | 87.0 | 87.0  | 87.0  | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 6000  | 87.7 | 87.1                        | 87.1 | 87.1 | 87.1 | 87.1 | 87.1  | 87.1 | 87.1  | 87.1  | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 5000  | 86.1 | 88.0                        | 88.0 | 88.0 | 88.0 | 88.0 | 88.0  | 88.0 | 88.0  | 88.0  | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 4500  | 87.0 | 88.9                        | 89.0 | 89.0 | 89.0 | 89.0 | 89.0  | 89.0 | 89.0  | 89.0  | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 4000  | 89.9 | 91.9                        | 92.0 | 92.0 | 92.0 | 92.0 | 92.0  | 92.0 | 92.0  | 92.0  | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 3500  | 91.2 | 93.6                        | 93.7 | 93.7 | 93.7 | 93.7 | 93.7  | 93.7 | 93.7  | 93.7  | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 3000  | 94.2 | 96.9                        | 97.0 | 97.0 | 97.1 | 97.1 | 97.1  | 97.1 | 97.1  | 97.1  | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 2500  | 97.4 | 98.1                        | 98.2 | 98.2 | 98.3 | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 2000  | 98.8 | 98.6                        | 98.7 | 98.7 | 98.8 | 98.8 | 98.8  | 98.8 | 98.8  | 98.8  | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1800  | 98.8 | 98.6                        | 98.7 | 98.7 | 98.8 | 98.8 | 98.8  | 98.8 | 98.8  | 98.8  | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1600  | 98.1 | 99.0                        | 99.1 | 99.1 | 99.2 | 99.2 | 99.2  | 99.2 | 99.2  | 99.2  | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1400  | 98.2 | 99.2                        | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200  | 98.3 | 99.2                        | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1000  | 98.3 | 99.2                        | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 900   | 98.3 | 99.2                        | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 800   | 98.3 | 99.2                        | 99.3 | 99.3 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700   | 98.3 | 99.3                        | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600   | 98.3 | 99.3                        | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500   | 98.3 | 99.3                        | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400   | 98.3 | 99.3                        | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 300   | 98.3 | 99.3                        | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 200   | 98.3 | 99.3                        | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 100   | 98.3 | 99.3                        | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 0     | 98.3 | 99.3                        | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): 1800-2000

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |       |      |       |       |      |      |      |      |       |       |       |  |  |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|-------|-------|--|--|
| IN FEET  | 10   | 6                           | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16  | 1/4   | 0     |  |  |
| NO CEIL  | 72.0 | 72.4                        | 72.4 | 72.4 | 72.4 | 72.4  | 72.4 | 72.4  | 72.4  | 72.4 | 72.4 | 72.4 | 72.4 | 72.4  | 72.4  | 72.4  |  |  |
| GE 20000 | 84.6 | 85.1                        | 85.1 | 85.1 | 85.1 | 85.1  | 85.1 | 85.1  | 85.1  | 85.1 | 85.1 | 85.1 | 85.1 | 85.1  | 85.1  | 85.1  |  |  |
| GE 16000 | 84.6 | 85.1                        | 85.1 | 85.1 | 85.1 | 85.1  | 85.1 | 85.1  | 85.1  | 85.1 | 85.1 | 85.1 | 85.1 | 85.1  | 85.1  | 85.1  |  |  |
| GE 16000 | 84.6 | 85.1                        | 85.1 | 85.1 | 85.1 | 85.1  | 85.1 | 85.1  | 85.1  | 85.1 | 85.1 | 85.1 | 85.1 | 85.1  | 85.1  | 85.1  |  |  |
| GE 14000 | 85.1 | 85.7                        | 85.7 | 85.7 | 85.7 | 85.7  | 85.7 | 85.7  | 85.7  | 85.7 | 85.7 | 85.7 | 85.7 | 85.7  | 85.7  | 85.7  |  |  |
| GE 12000 | 85.9 | 86.4                        | 86.4 | 86.4 | 86.4 | 86.4  | 86.4 | 86.4  | 86.4  | 86.4 | 86.4 | 86.4 | 86.4 | 86.4  | 86.4  | 86.4  |  |  |
| GE 10000 | 88.4 | 89.4                        | 89.4 | 89.4 | 89.4 | 89.4  | 89.4 | 89.4  | 89.4  | 89.4 | 89.4 | 89.4 | 89.4 | 89.4  | 89.4  | 89.4  |  |  |
| GE 9000  | 88.6 | 89.6                        | 89.6 | 89.6 | 89.6 | 89.6  | 89.6 | 89.6  | 89.6  | 89.6 | 89.6 | 89.6 | 89.6 | 89.6  | 89.6  | 89.6  |  |  |
| GE 8000  | 90.3 | 91.3                        | 91.3 | 91.3 | 91.3 | 91.3  | 91.3 | 91.3  | 91.3  | 91.3 | 91.3 | 91.3 | 91.3 | 91.3  | 91.3  | 91.3  |  |  |
| GE 7000  | 90.7 | 91.7                        | 91.7 | 91.7 | 91.7 | 91.7  | 91.7 | 91.7  | 91.7  | 91.7 | 91.7 | 91.7 | 91.7 | 91.7  | 91.7  | 91.7  |  |  |
| GE 6000  | 91.2 | 92.2                        | 92.2 | 92.2 | 92.2 | 92.2  | 92.2 | 92.2  | 92.2  | 92.2 | 92.2 | 92.2 | 92.2 | 92.2  | 92.2  | 92.2  |  |  |
| GE 5000  | 92.3 | 93.6                        | 93.6 | 93.6 | 93.6 | 93.6  | 93.6 | 93.6  | 93.6  | 93.6 | 93.6 | 93.6 | 93.6 | 93.6  | 93.6  | 93.6  |  |  |
| GE 4500  | 93.0 | 94.2                        | 94.2 | 94.2 | 94.2 | 94.2  | 94.2 | 94.2  | 94.2  | 94.2 | 94.2 | 94.2 | 94.2 | 94.2  | 94.2  | 94.2  |  |  |
| GE 4000  | 94.0 | 95.4                        | 95.4 | 95.4 | 95.4 | 95.4  | 95.4 | 95.4  | 95.4  | 95.4 | 95.4 | 95.4 | 95.4 | 95.4  | 95.4  | 95.4  |  |  |
| GE 3500  | 94.6 | 96.2                        | 96.2 | 96.2 | 96.2 | 96.2  | 96.2 | 96.2  | 96.2  | 96.2 | 96.2 | 96.2 | 96.2 | 96.2  | 96.2  | 96.2  |  |  |
| GE 3000  | 95.4 | 97.3                        | 97.6 | 97.6 | 97.7 | 97.7  | 97.7 | 97.7  | 97.7  | 97.7 | 97.7 | 97.7 | 97.7 | 97.8  | 97.8  | 97.8  |  |  |
| GE 2500  | 95.8 | 97.7                        | 97.9 | 97.9 | 98.0 | 98.0  | 98.0 | 98.0  | 98.0  | 98.0 | 98.0 | 98.0 | 98.0 | 98.1  | 98.1  | 98.1  |  |  |
| GE 2000  | 95.9 | 97.8                        | 98.0 | 98.0 | 98.1 | 98.1  | 98.1 | 98.2  | 98.2  | 98.2 | 98.2 | 98.2 | 98.2 | 98.3  | 98.3  | 98.3  |  |  |
| GE 1800  | 95.9 | 97.8                        | 98.0 | 98.0 | 98.1 | 98.1  | 98.1 | 98.2  | 98.2  | 98.2 | 98.2 | 98.2 | 98.2 | 98.3  | 98.3  | 98.3  |  |  |
| GE 1500  | 96.0 | 98.2                        | 98.6 | 98.6 | 98.8 | 98.8  | 98.8 | 98.9  | 98.9  | 98.9 | 98.9 | 98.9 | 98.9 | 99.0  | 99.0  | 99.0  |  |  |
| GE 1000  | 96.1 | 98.3                        | 98.8 | 98.8 | 99.0 | 99.0  | 99.0 | 99.2  | 99.3  | 99.3 | 99.3 | 99.3 | 99.3 | 99.4  | 99.4  | 99.4  |  |  |
| GE 1000  | 96.4 | 98.7                        | 99.1 | 99.1 | 99.3 | 99.3  | 99.3 | 99.6  | 99.7  | 99.7 | 99.7 | 99.7 | 99.7 | 99.8  | 99.8  | 99.8  |  |  |
| GE 900   | 96.4 | 98.7                        | 99.1 | 99.1 | 99.3 | 99.3  | 99.3 | 99.6  | 99.7  | 99.7 | 99.7 | 99.7 | 99.7 | 99.8  | 99.8  | 99.8  |  |  |
| GE 800   | 96.4 | 98.7                        | 99.1 | 99.1 | 99.3 | 99.3  | 99.3 | 99.6  | 99.7  | 99.7 | 99.7 | 99.7 | 99.7 | 99.8  | 99.8  | 99.8  |  |  |
| GE 700   | 96.4 | 98.7                        | 99.1 | 99.1 | 99.4 | 99.4  | 99.4 | 99.7  | 99.8  | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  |  |  |
| GE 600   | 96.4 | 98.8                        | 99.2 | 99.2 | 99.6 | 99.6  | 99.6 | 99.8  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |  |  |
| GE 500   | 96.4 | 98.8                        | 99.2 | 99.2 | 99.6 | 99.6  | 99.6 | 99.8  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |  |  |
| GE 400   | 96.4 | 98.8                        | 99.2 | 99.2 | 99.6 | 99.6  | 99.6 | 99.8  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |  |  |
| GE 300   | 96.4 | 98.8                        | 99.2 | 99.2 | 99.6 | 99.6  | 99.6 | 99.8  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |  |  |
| GE 200   | 96.4 | 98.8                        | 99.2 | 99.2 | 99.6 | 99.6  | 99.6 | 99.8  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |  |  |
| GE 100   | 96.4 | 98.8                        | 99.2 | 99.2 | 99.6 | 99.6  | 99.6 | 99.8  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |  |  |
| GE 0     | 96.4 | 98.8                        | 99.2 | 99.2 | 99.6 | 99.6  | 99.6 | 99.8  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |  |  |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 2100-2300

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |             |         |         |         |         |         |         |         |         |          |          |          |          |          |          |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>1 1/2 | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 |
| NO CEIL               | 75.6                        | 75.9        | 75.9    | 75.9    | 75.9    | 75.9    | 75.9    | 75.9    | 75.9    | 75.9    | 75.9     | 75.9     | 75.9     | 75.9     | 75.9     | 75.9     |
| GE 20000              | 84.6                        | 85.0        | 85.0    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     |
| GE 18000              | 84.6                        | 85.0        | 85.0    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     |
| GE 16000              | 84.6                        | 85.0        | 85.0    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     |
| GE 14000              | 84.9                        | 85.3        | 85.3    | 85.4    | 85.4    | 85.4    | 85.4    | 85.4    | 85.4    | 85.4    | 85.4     | 85.4     | 85.4     | 85.4     | 85.4     | 85.4     |
| GE 12000              | 86.3                        | 86.9        | 86.9    | 87.0    | 87.0    | 87.0    | 87.0    | 87.0    | 87.0    | 87.0    | 87.0     | 87.0     | 87.0     | 87.0     | 87.0     | 87.0     |
| GE 10000              | 87.7                        | 88.6        | 88.6    | 88.7    | 88.7    | 88.7    | 88.7    | 88.7    | 88.7    | 88.7    | 88.7     | 88.7     | 88.7     | 88.7     | 88.7     | 88.7     |
| GE 9000               | 87.8                        | 88.7        | 88.7    | 88.8    | 88.8    | 88.8    | 88.8    | 88.8    | 88.8    | 88.8    | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     |
| GE 8000               | 89.7                        | 90.6        | 90.6    | 90.7    | 90.7    | 90.7    | 90.7    | 90.7    | 90.7    | 90.7    | 90.7     | 90.7     | 90.7     | 90.7     | 90.7     | 90.7     |
| GE 7000               | 90.0                        | 90.9        | 90.9    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0     | 91.0     | 91.0     | 91.0     | 91.0     | 91.0     |
| GE 6000               | 90.3                        | 91.3        | 91.3    | 91.4    | 91.4    | 91.4    | 91.4    | 91.4    | 91.4    | 91.4    | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     | 91.4     |
| GE 5000               | 91.2                        | 92.4        | 92.4    | 92.6    | 92.6    | 92.6    | 92.6    | 92.6    | 92.6    | 92.6    | 92.6     | 92.6     | 92.6     | 92.6     | 92.6     | 92.6     |
| GE 4500               | 91.6                        | 92.9        | 92.9    | 93.0    | 93.0    | 93.0    | 93.0    | 93.0    | 93.0    | 93.0    | 93.0     | 93.0     | 93.0     | 93.0     | 93.0     | 93.0     |
| GE 4000               | 93.4                        | 95.2        | 95.2    | 95.3    | 95.4    | 95.4    | 95.4    | 95.4    | 95.4    | 95.4    | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     |
| GE 3500               | 94.1                        | 95.9        | 95.9    | 96.0    | 96.1    | 96.1    | 96.1    | 96.1    | 96.1    | 96.1    | 96.1     | 96.1     | 96.1     | 96.1     | 96.1     | 96.1     |
| GE 3000               | 94.6                        | 96.9        | 96.9    | 97.0    | 97.1    | 97.1    | 97.1    | 97.1    | 97.1    | 97.1    | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     |
| GE 2500               | 94.8                        | 97.2        | 97.2    | 97.3    | 97.6    | 97.6    | 97.6    | 97.6    | 97.6    | 97.6    | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     | 97.6     |
| GE 2000               | 95.0                        | 97.7        | 97.7    | 97.8    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1800               | 95.0                        | 97.7        | 97.7    | 97.8    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1600               | 95.0                        | 97.9        | 97.9    | 98.0    | 98.2    | 98.2    | 98.2    | 98.2    | 98.2    | 98.2    | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     | 98.2     |
| GE 1400               | 95.1                        | 98.3        | 98.3    | 98.4    | 98.7    | 98.7    | 98.7    | 98.7    | 98.7    | 98.7    | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     |
| GE 1200               | 95.1                        | 98.3        | 98.6    | 98.8    | 99.0    | 99.0    | 99.0    | 99.0    | 99.0    | 99.0    | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     |
| GE 1000               | 95.1                        | 98.3        | 98.6    | 98.8    | 99.0    | 99.0    | 99.0    | 99.0    | 99.0    | 99.0    | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     | 99.0     |
| GE 900                | 95.2                        | 98.4        | 98.7    | 98.9    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     |
| GE 800                | 95.2                        | 98.4        | 98.7    | 98.9    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     |
| GE 700                | 95.2                        | 98.4        | 98.7    | 98.9    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     |
| GE 600                | 95.2                        | 98.4        | 98.7    | 98.9    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     |
| GE 500                | 95.2                        | 98.9        | 99.1    | 99.3    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 400                | 95.2                        | 98.9        | 99.1    | 99.3    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 300                | 95.2                        | 98.9        | 99.1    | 99.3    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 200                | 95.2                        | 98.9        | 99.1    | 99.3    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 100                | 95.2                        | 98.9        | 99.1    | 99.3    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 0                  | 95.2                        | 98.9        | 99.1    | 99.3    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LST): ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |         |             |         |             |         |           |           |           |            |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
|                       | GE<br>10                    | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 | GE<br>1 1/2 | GE<br>1 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 67.6                        | 68.6    | 68.7    | 66.7    | 68.7    | 68.7    | 68.7        | 68.7    | 68.7        | 68.7    | 68.7      | 68.7      | 68.7      | 68.7       | 68.7      | 68.7    |
| GE 20000              | 75.9                        | 78.1    | 78.2    | 78.2    | 79.2    | 78.2    | 79.2        | 79.2    | 78.2        | 78.2    | 79.2      | 78.2      | 78.2      | 78.2       | 78.2      | 78.2    |
| GE 18000              | 77.0                        | 79.2    | 78.3    | 78.3    | 78.3    | 78.3    | 78.3        | 78.3    | 78.3        | 78.3    | 78.3      | 78.3      | 78.3      | 78.3       | 78.3      | 78.4    |
| GE 16000              | 77.0                        | 78.3    | 78.3    | 78.3    | 78.4    | 78.4    | 78.4        | 78.4    | 78.4        | 78.4    | 78.4      | 78.4      | 78.4      | 78.4       | 78.4      | 78.4    |
| GE 14000              | 77.7                        | 78.9    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0        | 79.0    | 79.0        | 79.0    | 79.1      | 79.1      | 79.1      | 79.1       | 79.1      | 79.1    |
| GE 12000              | 79.2                        | 80.5    | 80.5    | 80.5    | 80.5    | 80.5    | 80.6        | 80.6    | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6       | 80.6      | 80.6    |
| GE 10000              | 80.9                        | 82.5    | 82.6    | 82.6    | 82.6    | 82.6    | 82.6        | 82.6    | 82.6        | 82.7    | 82.7      | 82.7      | 82.7      | 82.7       | 82.7      | 82.7    |
| GE 9000               | 81.2                        | 82.8    | 82.9    | 82.9    | 82.9    | 82.9    | 82.9        | 82.9    | 82.9        | 83.0    | 83.0      | 83.0      | 83.0      | 83.0       | 83.0      | 83.0    |
| GE 8000               | 83.0                        | 84.7    | 84.8    | 84.8    | 84.9    | 84.9    | 84.9        | 84.9    | 84.9        | 84.9    | 84.9      | 84.9      | 84.9      | 84.9       | 84.9      | 84.9    |
| GE 7000               | 83.8                        | 85.2    | 85.3    | 85.4    | 85.4    | 85.4    | 85.4        | 85.4    | 85.4        | 85.4    | 85.4      | 85.5      | 85.5      | 85.5       | 85.5      | 85.5    |
| GE 6000               | 84.0                        | 85.8    | 85.8    | 85.9    | 85.9    | 85.9    | 86.0        | 86.0    | 86.0        | 86.0    | 86.0      | 86.0      | 86.0      | 86.0       | 86.0      | 86.0    |
| GE 5000               | 84.9                        | 86.8    | 86.9    | 87.0    | 87.0    | 87.0    | 87.1        | 87.1    | 87.1        | 87.1    | 87.1      | 87.1      | 87.1      | 87.1       | 87.1      | 87.1    |
| GE 4500               | 85.4                        | 87.4    | 87.5    | 87.6    | 87.6    | 87.6    | 87.7        | 87.7    | 87.7        | 87.7    | 87.7      | 87.7      | 87.7      | 87.7       | 87.7      | 87.7    |
| GE 4000               | 87.0                        | 89.4    | 89.6    | 89.6    | 89.7    | 89.7    | 89.8        | 89.8    | 89.8        | 89.8    | 89.8      | 89.8      | 89.8      | 89.8       | 89.8      | 89.8    |
| GE 3500               | 88.4                        | 90.7    | 90.8    | 90.9    | 91.0    | 91.0    | 91.1        | 91.1    | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1       | 91.1      | 91.1    |
| GE 3000               | 89.9                        | 92.7    | 92.8    | 93.0    | 93.1    | 93.1    | 93.1        | 93.2    | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2       | 93.2      | 93.2    |
| GE 2500               | 91.3                        | 94.1    | 94.3    | 94.4    | 94.6    | 94.6    | 94.6        | 94.7    | 94.7        | 94.7    | 94.7      | 94.7      | 94.7      | 94.7       | 94.7      | 94.8    |
| GE 2000               | 92.5                        | 95.6    | 95.8    | 95.9    | 96.1    | 96.1    | 96.1        | 96.2    | 96.2        | 96.2    | 96.2      | 96.2      | 96.3      | 96.3       | 96.3      | 96.3    |
| GE 1800               | 92.7                        | 95.8    | 96.0    | 96.2    | 96.4    | 96.4    | 96.4        | 96.5    | 96.5        | 96.5    | 96.5      | 96.5      | 96.6      | 96.6       | 96.6      | 96.6    |
| GE 1500               | 93.2                        | 96.6    | 96.8    | 97.0    | 97.2    | 97.2    | 97.2        | 97.3    | 97.3        | 97.3    | 97.3      | 97.4      | 97.4      | 97.4       | 97.4      | 97.4    |
| GE 1200               | 93.6                        | 97.1    | 97.4    | 97.6    | 97.8    | 97.8    | 97.8        | 97.9    | 97.9        | 98.0    | 98.0      | 98.0      | 98.0      | 98.0       | 98.0      | 98.1    |
| GE 1000               | 93.8                        | 97.5    | 97.8    | 98.1    | 98.3    | 98.3    | 98.3        | 98.4    | 98.4        | 98.5    | 98.5      | 98.5      | 98.5      | 98.5       | 98.5      | 98.6    |
| GE 900                | 97.9                        | 97.6    | 97.9    | 98.2    | 98.4    | 98.5    | 98.5        | 98.6    | 98.6        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7       | 98.7      | 98.7    |
| GE 800                | 97.9                        | 97.7    | 98.0    | 98.3    | 98.6    | 98.6    | 98.7        | 98.8    | 98.8        | 98.8    | 98.8      | 98.8      | 98.8      | 98.8       | 98.8      | 98.9    |
| GE 700                | 97.9                        | 97.8    | 98.1    | 98.5    | 98.8    | 98.8    | 98.9        | 98.9    | 99.0        | 99.0    | 99.0      | 99.0      | 99.1      | 99.1       | 99.1      | 99.1    |
| GE 600                | 94.0                        | 98.0    | 98.4    | 98.8    | 99.1    | 99.1    | 99.2        | 99.3    | 99.3        | 99.3    | 99.3      | 99.4      | 99.4      | 99.4       | 99.4      | 99.4    |
| GE 500                | 94.0                        | 98.2    | 98.6    | 99.1    | 99.3    | 99.4    | 99.5        | 99.6    | 99.6        | 99.7    | 99.7      | 99.7      | 99.8      | 99.8       | 99.8      | 99.8    |
| GE 400                | 94.0                        | 98.2    | 98.6    | 99.1    | 99.4    | 99.4    | 99.5        | 99.6    | 99.7        | 99.7    | 99.8      | 99.8      | 99.9      | 99.9       | 99.9      | 99.9    |
| GE 300                | 94.0                        | 98.2    | 98.6    | 99.1    | 99.4    | 99.4    | 99.5        | 99.6    | 99.7        | 99.7    | 99.8      | 99.8      | 99.9      | 99.9       | 99.9      | 99.9    |
| GE 200                | 94.0                        | 98.2    | 98.7    | 99.1    | 99.4    | 99.4    | 99.5        | 99.6    | 99.7        | 99.7    | 99.8      | 99.9      | 99.9      | 99.9       | 100.0     | 100.0   |
| GE 100                | 94.0                        | 98.2    | 98.7    | 99.1    | 99.4    | 99.4    | 99.5        | 99.6    | 99.7        | 99.7    | 99.8      | 99.9      | 99.9      | 99.9       | 100.0     | 100.0   |
| GE 0                  | 94.0                        | 98.2    | 98.7    | 99.1    | 99.4    | 99.4    | 99.5        | 99.6    | 99.7        | 99.7    | 99.8      | 99.9      | 99.9      | 99.9       | 100.0     | 100.0   |

TOTAL NUMBER OF OBSERVATIONS: 7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 0000-0200

| CEILING    |         | VISIBILITY IN STATUTE MILES |         |         |         |             |         |             |             |         |           |           |           |            |           |         |
|------------|---------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| 14<br>FEET | 1<br>10 | GE<br>6                     | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |
| NO CEIL    | 1       | 64.4                        | 86.2    | 86.2    | 86.2    | 86.2        | 86.2    | 86.2        | 86.2        | 86.2    | 86.2      | 86.2      | 86.2      | 86.2       | 86.2      | 86.2    |
| GE 100001  | 87.8    | 89.8                        | 89.8    | 89.8    | 89.8    | 89.8        | 89.8    | 89.8        | 89.8        | 89.8    | 89.8      | 89.8      | 89.8      | 89.8       | 89.8      | 89.8    |
| GE 180001  | 89.0    | 89.9                        | 89.9    | 89.9    | 89.9    | 89.9        | 89.9    | 89.9        | 89.9        | 89.9    | 89.9      | 89.9      | 89.9      | 89.9       | 89.9      | 89.9    |
| GE 140001  | 88.1    | 90.0                        | 90.0    | 90.0    | 90.0    | 90.0        | 90.0    | 90.0        | 90.0        | 90.0    | 90.0      | 90.0      | 90.0      | 90.0       | 90.0      | 90.0    |
| GE 140001  | 88.4    | 90.3                        | 90.3    | 90.3    | 90.3    | 90.3        | 90.3    | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3       | 90.3      | 90.3    |
| GE 180001  | 90.1    | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0        | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0       | 92.0      | 92.0    |
| GE 100001  | 91.8    | 93.8                        | 93.8    | 93.8    | 93.8    | 93.8        | 93.8    | 93.8        | 93.8        | 93.8    | 93.8      | 93.8      | 93.8      | 93.8       | 93.8      | 93.8    |
| GE 90001   | 92.5    | 94.8                        | 94.8    | 94.8    | 94.8    | 94.8        | 94.8    | 94.8        | 94.8        | 94.8    | 94.8      | 94.8      | 94.8      | 94.8       | 94.8      | 94.8    |
| GE 80001   | 93.7    | 95.9                        | 95.9    | 95.9    | 95.9    | 95.9        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9       | 95.9      | 95.9    |
| GE 70001   | 94.3    | 96.3                        | 96.3    | 96.3    | 96.3    | 96.3        | 96.3    | 96.3        | 96.3        | 96.3    | 96.3      | 96.3      | 96.3      | 96.3       | 96.3      | 96.3    |
| GE 60001   | 94.6    | 96.7                        | 96.7    | 96.7    | 96.7    | 96.7        | 96.7    | 96.7        | 96.7        | 96.7    | 96.7      | 96.7      | 96.7      | 96.7       | 96.7      | 96.7    |
| GE 50001   | 95.2    | 97.2                        | 97.2    | 97.2    | 97.2    | 97.2        | 97.2    | 97.2        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2       | 97.2      | 97.2    |
| GE 40001   | 95.5    | 97.7                        | 97.7    | 97.7    | 97.7    | 97.7        | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7       | 97.7      | 97.7    |
| GE 30001   | 96.0    | 98.4                        | 98.4    | 98.4    | 98.4    | 98.4        | 98.4    | 98.4        | 98.4        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4       | 98.4      | 98.4    |
| GE 20001   | 96.2    | 98.7                        | 98.7    | 98.7    | 98.7    | 98.7        | 98.7    | 98.7        | 98.7        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7       | 98.7      | 98.7    |
| GE 10001   | 96.3    | 98.8                        | 98.8    | 98.8    | 98.8    | 98.8        | 98.8    | 98.8        | 98.8        | 98.8    | 98.8      | 98.8      | 98.8      | 98.8       | 98.8      | 98.8    |
| GE 10001   | 96.5    | 99.0                        | 99.0    | 99.0    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0       | 99.0      | 99.0    |
| GE 10001   | 96.6    | 99.1                        | 99.1    | 99.1    | 99.1    | 99.1        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1       | 99.1      | 99.1    |
| GE 10001   | 96.8    | 99.3                        | 99.3    | 99.3    | 99.3    | 99.3        | 99.3    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3       | 99.3      | 99.3    |
| GE 10001   | 97.0    | 99.5                        | 99.5    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |
| GE 10001   | 97.0    | 99.6                        | 99.6    | 99.6    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |
| GE 10001   | 97.0    | 99.7                        | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99        |            |           |         |

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(EST): 0300-0500

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 94.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 0600-2400

| CEILING  |      | VISIBILITY IN STATUTE MILES |       |      |       |      |       |      |       |      |       |      |       |      |       |      |       |      |
|----------|------|-----------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| IN       | FEET | 1                           | 1 1/2 | 2    | 2 1/2 | 3    | 3 1/2 | 4    | 4 1/2 | 5    | 5 1/2 | 6    | 6 1/2 | 7    | 7 1/2 | 8    | 8 1/2 | 9    |
| FEET     |      | 1                           | 1 1/2 | 2    | 2 1/2 | 3    | 3 1/2 | 4    | 4 1/2 | 5    | 5 1/2 | 6    | 6 1/2 | 7    | 7 1/2 | 8    | 8 1/2 | 9    |
| NO CEIL  | 75.7 | 76.9                        | 79.4  | 79.6 | 79.6  | 79.6 | 79.6  | 79.6 | 79.6  | 79.6 | 79.6  | 79.6 | 79.6  | 79.6 | 79.6  | 79.6 | 79.6  | 79.6 |
| GE 20000 | 80.4 | 84.3                        | 84.7  | 85.2 | 85.2  | 85.2 | 85.2  | 85.2 | 85.2  | 85.2 | 85.2  | 85.2 | 85.2  | 85.2 | 85.2  | 85.2 | 85.2  | 85.2 |
| GE 18000 | 81.7 | 84.5                        | 84.9  | 85.4 | 85.4  | 85.4 | 85.4  | 85.4 | 85.4  | 85.4 | 85.4  | 85.4 | 85.4  | 85.4 | 85.4  | 85.4 | 85.4  | 85.4 |
| GE 16000 | 81.2 | 84.7                        | 85.2  | 85.6 | 85.6  | 85.6 | 85.6  | 85.6 | 85.6  | 85.6 | 85.6  | 85.6 | 85.6  | 85.6 | 85.6  | 85.6 | 85.6  | 85.6 |
| GE 14000 | 81.7 | 85.3                        | 85.7  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 |
| GE 12000 | 87.5 | 87.1                        | 87.5  | 88.0 | 88.0  | 88.0 | 88.0  | 88.0 | 88.0  | 88.0 | 88.0  | 88.0 | 88.0  | 88.0 | 88.0  | 88.0 | 88.0  | 88.0 |
| GE 10000 | 86.6 | 90.2                        | 90.6  | 91.2 | 91.2  | 91.2 | 91.2  | 91.2 | 91.2  | 91.2 | 91.2  | 91.2 | 91.2  | 91.2 | 91.2  | 91.2 | 91.2  | 91.2 |
| GE 9000  | 86.6 | 90.5                        | 91.1  | 91.5 | 91.5  | 91.5 | 91.5  | 91.5 | 91.5  | 91.5 | 91.5  | 91.5 | 91.5  | 91.5 | 91.5  | 91.5 | 91.5  | 91.5 |
| GE 8000  | 86.6 | 92.6                        | 93.1  | 93.5 | 93.5  | 93.5 | 93.5  | 93.5 | 93.5  | 93.5 | 93.5  | 93.5 | 93.5  | 93.5 | 93.5  | 93.5 | 93.5  | 93.5 |
| GE 7000  | 89.1 | 92.0                        | 93.5  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 |
| GE 6000  | 89.5 | 93.3                        | 93.9  | 94.3 | 94.3  | 94.3 | 94.3  | 94.3 | 94.3  | 94.3 | 94.3  | 94.3 | 94.3  | 94.3 | 94.3  | 94.3 | 94.3  | 94.3 |
| GE 5000  | 90.7 | 94.2                        | 94.7  | 95.3 | 95.3  | 95.3 | 95.3  | 95.3 | 95.3  | 95.3 | 95.3  | 95.3 | 95.3  | 95.3 | 95.3  | 95.3 | 95.3  | 95.3 |
| GE 4500  | 91.6 | 94.7                        | 95.3  | 95.8 | 95.8  | 95.8 | 95.8  | 95.8 | 95.8  | 95.8 | 95.8  | 95.8 | 95.8  | 95.8 | 95.8  | 95.8 | 95.8  | 95.8 |
| GE 4000  | 91.6 | 95.6                        | 96.1  | 96.6 | 96.6  | 96.6 | 96.6  | 96.6 | 96.6  | 96.6 | 96.6  | 96.6 | 96.6  | 96.6 | 96.6  | 96.6 | 96.6  | 96.6 |
| GE 3500  | 91.7 | 95.6                        | 96.3  | 97.0 | 97.0  | 97.0 | 97.0  | 97.0 | 97.0  | 97.0 | 97.0  | 97.0 | 97.0  | 97.0 | 97.0  | 97.0 | 97.0  | 97.0 |
| GE 3000  | 91.9 | 95.9                        | 96.5  | 97.1 | 97.1  | 97.1 | 97.1  | 97.1 | 97.1  | 97.1 | 97.1  | 97.1 | 97.1  | 97.1 | 97.1  | 97.1 | 97.1  | 97.1 |
| GE 2500  | 92.7 | 96.3                        | 96.9  | 97.5 | 97.5  | 97.5 | 97.5  | 97.5 | 97.5  | 97.5 | 97.5  | 97.5 | 97.5  | 97.5 | 97.5  | 97.5 | 97.5  | 97.5 |
| GE 2000  | 93.2 | 97.4                        | 98.0  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 |
| GE 1800  | 93.2 | 97.4                        | 98.0  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 | 98.7  | 98.7 |
| GE 1600  | 93.7 | 97.6                        | 98.4  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 |
| GE 1400  | 93.8 | 98.3                        | 98.5  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2 |
| GE 1200  | 93.8 | 98.1                        | 98.6  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 |
| GE 1000  | 93.8 | 98.1                        | 98.6  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 |
| GE 900   | 93.8 | 98.1                        | 98.6  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 |
| GE 800   | 93.8 | 98.2                        | 98.7  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 |
| GE 700   | 93.9 | 98.2                        | 98.7  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 |
| GE 600   | 93.9 | 98.2                        | 98.7  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 |
| GE 500   | 93.9 | 98.2                        | 98.7  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 |
| GE 400   | 93.9 | 98.2                        | 98.7  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 |
| GE 300   | 93.9 | 98.2                        | 98.7  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 |
| GE 200   | 93.9 | 98.2                        | 98.7  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 |
| GE 100   | 93.9 | 98.2                        | 98.7  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 |
| GE 0     | 93.9 | 98.2                        | 98.7  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702605 STATION NAME: DYEST AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 0900-1100

| CEILING    |      | VISIBILITY IN STATUTE MILES |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |
|------------|------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| IN<br>FEET | FEET | GE<br>1                     | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 | GE<br>17 |
| NO CEIL    | 77.1 | 75.9                        | 78.9    | 75.9    | 73.9    | 77.9    | 74.9    | 73.9    | 78.9    | 78.9     | 78.9     | 78.9     | 78.9     | 78.9     | 78.9     | 78.9     | 78.9     |
| GE 2000    | 81.0 | 83.1                        | 83.1    | 83.1    | 83.1    | 83.1    | 83.1    | 83.1    | 83.1    | 83.1     | 83.1     | 83.1     | 83.1     | 83.1     | 83.1     | 83.1     | 83.1     |
| GE 1800    | 81.0 | 83.0                        | 83.0    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     |
| GE 1600    | 81.0 | 83.0                        | 83.0    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0    | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     | 83.0     |
| GE 1400    | 80.0 | 84.0                        | 84.0    | 84.0    | 84.0    | 84.0    | 84.0    | 84.0    | 84.0    | 84.0     | 84.0     | 84.0     | 84.0     | 84.0     | 84.0     | 84.0     | 84.0     |
| GE 1200    | 84.0 | 86.0                        | 86.0    | 86.0    | 86.0    | 86.0    | 86.0    | 86.0    | 86.0    | 86.0     | 86.0     | 86.0     | 86.0     | 86.0     | 86.0     | 86.0     | 86.0     |
| GE 1000    | 86.0 | 89.0                        | 89.0    | 89.0    | 89.0    | 89.0    | 89.0    | 89.0    | 89.0    | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     | 89.0     |
| GE 900     | 87.0 | 90.0                        | 90.0    | 90.0    | 90.0    | 90.0    | 90.0    | 90.0    | 90.0    | 90.0     | 90.0     | 90.0     | 90.0     | 90.0     | 90.0     | 90.0     | 90.0     |
| GE 800     | 88.0 | 91.0                        | 91.0    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0    | 91.0     | 91.0     | 91.0     | 91.0     | 91.0     | 91.0     | 91.0     | 91.0     |
| GE 700     | 89.0 | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0    | 92.0    | 92.0    | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     |
| GE 600     | 90.0 | 92.0                        | 92.0    | 92.0    | 92.0    | 92.0    | 92.0    | 92.0    | 92.0    | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     | 92.0     |
| GE 500     | 91.0 | 94.0                        | 94.0    | 94.0    | 94.0    | 94.0    | 94.0    | 94.0    | 94.0    | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     |
| GE 400     | 91.0 | 94.0                        | 94.0    | 94.0    | 94.0    | 94.0    | 94.0    | 94.0    | 94.0    | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     |
| GE 300     | 91.0 | 94.0                        | 94.0    | 94.0    | 94.0    | 94.0    | 94.0    | 94.0    | 94.0    | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     | 94.0     |
| GE 200     | 92.0 | 95.0                        | 95.0    | 95.0    | 95.0    | 95.0    | 95.0    | 95.0    | 95.0    | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     | 95.0     |
| GE 100     | 92.0 | 96.0                        | 96.0    | 96.0    | 96.0    | 96.0    | 96.0    | 96.0    | 96.0    | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     |
| GE 2500    | 96.7 | 96.0                        | 97.0    | 97.0    | 97.0    | 97.0    | 97.0    | 97.0    | 97.0    | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     |
| GE 2000    | 94.7 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1800    | 94.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1600    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1400    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1200    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1000    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 900     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 800     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 700     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 600     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 500     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 400     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 300     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 200     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 100     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 2500    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 2000    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1800    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1600    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1400    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1200    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 1000    | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 900     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 800     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 700     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 600     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 500     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 400     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 300     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 200     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 100     | 95.0 | 98.0                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |

TOTAL NUMBER OF OBSERVATIONS: 410



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87

MONTH: JUL

HOURS(IST): 1200-1400

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |             |             |         |             |         |             |         |             |         |             |         |             |         |             |         |
|-----------------------|-----------------------------|-------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
|                       | GE<br>1                     | GE<br>1 1/4 | GE<br>1 1/2 | GE<br>2 | GE<br>2 1/2 | GE<br>3 | GE<br>3 1/2 | GE<br>4 | GE<br>4 1/2 | GE<br>5 | GE<br>5 1/2 | GE<br>6 | GE<br>6 1/2 | GE<br>7 | GE<br>7 1/2 | GE<br>8 |
| NO CEIL               | 74.5                        | 76.2        | 76.2        | 76.2    | 76.2        | 76.2    | 76.2        | 76.2    | 76.2        | 76.2    | 76.2        | 76.2    | 76.2        | 76.2    | 76.2        | 76.2    |
| GE 20000              | 81.4                        | 83.0        | 83.0        | 83.0    | 83.0        | 83.0    | 83.0        | 83.0    | 83.0        | 83.0    | 83.0        | 83.0    | 83.0        | 83.0    | 83.0        | 83.0    |
| GE 18000              | 81.5                        | 83.1        | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    |
| GE 16000              | 81.5                        | 83.1        | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    | 83.1        | 83.1    |
| GE 14000              | 82.9                        | 84.6        | 84.6        | 84.6    | 84.6        | 84.6    | 84.6        | 84.6    | 84.6        | 84.6    | 84.6        | 84.6    | 84.6        | 84.6    | 84.6        | 84.6    |
| GE 12000              | 83.9                        | 85.7        | 85.7        | 85.7    | 85.7        | 85.7    | 85.7        | 85.7    | 85.7        | 85.7    | 85.7        | 85.7    | 85.7        | 85.7    | 85.7        | 85.7    |
| GE 10000              | 86.5                        | 88.6        | 88.6        | 88.6    | 88.6        | 88.6    | 88.6        | 88.6    | 88.6        | 88.6    | 88.6        | 88.6    | 88.6        | 88.6    | 88.6        | 88.6    |
| GE 9000               | 86.7                        | 88.8        | 88.8        | 88.8    | 88.8        | 88.8    | 88.8        | 88.8    | 88.8        | 88.8    | 88.8        | 88.8    | 88.8        | 88.8    | 88.8        | 88.8    |
| GE 8000               | 88.2                        | 90.3        | 90.3        | 90.3    | 90.3        | 90.3    | 90.3        | 90.3    | 90.3        | 90.3    | 90.3        | 90.3    | 90.3        | 90.3    | 90.3        | 90.3    |
| GE 7000               | 89.9                        | 91.1        | 91.1        | 91.1    | 91.1        | 91.1    | 91.1        | 91.1    | 91.1        | 91.1    | 91.1        | 91.1    | 91.1        | 91.1    | 91.1        | 91.1    |
| GE 6000               | 85.6                        | 91.7        | 91.7        | 91.7    | 91.7        | 91.7    | 91.7        | 91.7    | 91.7        | 91.7    | 91.7        | 91.7    | 91.7        | 91.7    | 91.7        | 91.7    |
| GE 5000               | 91.0                        | 93.7        | 93.7        | 93.7    | 93.7        | 93.7    | 93.7        | 93.7    | 93.7        | 93.7    | 93.7        | 93.7    | 93.7        | 93.7    | 93.7        | 93.7    |
| GE 4500               | 91.4                        | 94.3        | 94.3        | 94.3    | 94.3        | 94.3    | 94.3        | 94.3    | 94.3        | 94.3    | 94.3        | 94.3    | 94.3        | 94.3    | 94.3        | 94.3    |
| GE 4000               | 93.0                        | 95.8        | 95.8        | 95.8    | 95.8        | 95.8    | 95.8        | 95.8    | 95.8        | 95.8    | 95.8        | 95.8    | 95.8        | 95.8    | 95.8        | 95.8    |
| GE 3500               | 94.3                        | 97.1        | 97.1        | 97.1    | 97.1        | 97.1    | 97.1        | 97.1    | 97.1        | 97.1    | 97.1        | 97.1    | 97.1        | 97.1    | 97.1        | 97.1    |
| GE 3000               | 95.5                        | 98.6        | 98.6        | 98.6    | 98.6        | 98.6    | 98.6        | 98.6    | 98.6        | 98.6    | 98.6        | 98.6    | 98.6        | 98.6    | 98.6        | 98.6    |
| GE 2500               | 95.0                        | 99.4        | 99.4        | 99.4    | 99.4        | 99.4    | 99.4        | 99.4    | 99.4        | 99.4    | 99.4        | 99.4    | 99.4        | 99.4    | 99.4        | 99.4    |
| GE 2000               | 95.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 1800               | 95.7                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 1600               | 96.2                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 1400               | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 1200               | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 1000               | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 900                | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 800                | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 700                | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 600                | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 500                | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 400                | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 300                | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 200                | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |
| GE 100                | 96.3                        | 99.5        | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    | 99.5        | 99.5    |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 1500-1700

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |       |      |      |       |       |      |      |      |      |
|----------|------|-----------------------------|------|------|------|------|------|------|-------|------|------|-------|-------|------|------|------|------|
| IN       | FEET | 1                           | GE   | CF   | GE   | GE   | GE   | GE   | GE    | GE   | GE   | GE    | GE    | GE   | GE   | GE   | GE   |
|          |      | 1                           | 10   | 6    | 5    | 4    | 3    | 2    | 1 1/2 | 2    | 1    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  |
|          |      |                             |      |      |      |      |      |      |       |      |      |       |       |      |      |      |      |
| NO CEIL  | 73.2 | 74.3                        | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3  | 74.3 | 74.3 | 74.3  | 74.3  | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 20000 | 82.7 | 84.0                        | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0  | 84.0 | 84.0 | 84.0  | 84.0  | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 18000 | 82.7 | 84.0                        | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0  | 84.0 | 84.0 | 84.0  | 84.0  | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 16000 | 82.7 | 84.0                        | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0  | 84.0 | 84.0 | 84.0  | 84.0  | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 14000 | 83.5 | 84.6                        | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8  | 84.8 | 84.8 | 84.8  | 84.8  | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 12000 | 84.4 | 85.7                        | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7  | 85.7 | 85.7 | 85.7  | 85.7  | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 10000 | 90.6 | 90.8                        | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8  | 90.8 | 90.8 | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 9000  | 88.7 | 90.9                        | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9  | 90.9 | 90.9 | 90.9  | 90.9  | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 8000  | 90.6 | 92.8                        | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8  | 92.8 | 92.8 | 92.8  | 92.8  | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 7000  | 91.2 | 93.3                        | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3  | 93.3 | 93.3 | 93.3  | 93.3  | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 6000  | 92.3 | 94.5                        | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5  | 94.5 | 94.5 | 94.5  | 94.5  | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 5000  | 93.5 | 95.8                        | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8  | 95.8 | 95.8 | 95.8  | 95.8  | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 4500  | 93.5 | 95.9                        | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9  | 95.9 | 95.9 | 95.9  | 95.9  | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 4000  | 94.9 | 97.4                        | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4  | 97.4 | 97.4 | 97.4  | 97.4  | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 3500  | 95.4 | 98.1                        | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1  | 98.1 | 98.1 | 98.1  | 98.1  | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 3000  | 95.9 | 98.6                        | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6  | 98.6 | 98.6 | 98.6  | 98.6  | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 2500  | 96.1 | 99.0                        | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0 | 99.0 | 99.0  | 99.0  | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2000  | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1800  | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1600  | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1400  | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1200  | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1000  | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 900   | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800   | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 700   | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 600   | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 500   | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 400   | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 300   | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 200   | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 100   | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 0     | 96.1 | 99.1                        | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 | 99.1  | 99.1  | 99.1 | 99.1 | 99.1 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): 1800-2000

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-----------------------|-----------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>3 | GE<br>5 | GE<br>10 | GE<br>15 | GE<br>20 | GE<br>25 | GE<br>30 | GE<br>35 | GE<br>40 | GE<br>45 | GE<br>50 | GE<br>55 | GE<br>60 | GE<br>65 | GE<br>70 |
| NO CEIL               | 79.0                        | 80.1    | 80.2    | 80.2     | 80.2     | 80.2     | 80.2     | 80.2     | 80.2     | 80.2     | 80.2     | 80.2     | 80.2     | 80.2     | 80.2     | 80.2     |
| GE 2000               | 84.9                        | 90.0    | 90.1    | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     |
| GE 1800               | 89.9                        | 90.0    | 90.1    | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     | 90.1     |
| GE 1600               | 89.0                        | 90.1    | 90.2    | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     | 90.2     |
| GE 1400               | 90.1                        | 91.2    | 91.3    | 91.3     | 91.3     | 91.3     | 91.3     | 91.3     | 91.3     | 91.3     | 91.3     | 91.3     | 91.3     | 91.3     | 91.3     | 91.3     |
| GE 1200               | 91.3                        | 92.4    | 92.5    | 92.5     | 92.5     | 92.5     | 92.5     | 92.5     | 92.5     | 92.5     | 92.5     | 92.5     | 92.5     | 92.5     | 92.5     | 92.5     |
| GE 1000               | 93.7                        | 95.1    | 95.2    | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     |
| GE 900                | 94.1                        | 95.5    | 95.6    | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     | 95.6     |
| GE 800                | 94.6                        | 96.1    | 96.2    | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     |
| GE 700                | 95.4                        | 96.9    | 97.0    | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     |
| GE 600                | 96.0                        | 97.6    | 97.7    | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     |
| GE 500                | 96.3                        | 98.0    | 98.1    | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     |
| GE 450                | 96.6                        | 98.2    | 98.3    | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     | 98.3     |
| GE 400                | 97.3                        | 98.9    | 99.0    | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     | 99.1     |
| GE 350                | 97.5                        | 99.1    | 99.2    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 300                | 97.8                        | 99.5    | 99.6    | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     | 99.8     |
| GE 250                | 98.0                        | 99.6    | 99.7    | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     |
| GE 200                | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 180                | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 160                | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 140                | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 120                | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 100                | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 90                 | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 80                 | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 70                 | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 60                 | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 50                 | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 40                 | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 30                 | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 20                 | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 10                 | 98.1                        | 99.7    | 99.8    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 702665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 2100-2300

| CEILING  |      | VISIBILITY IN STATUTE MILES |       |       |       |       |          |       |          |          |       |        |        |        |         |        |       |
|----------|------|-----------------------------|-------|-------|-------|-------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 1                        | GE 6  | GE 5  | GF 4  | GE 3  | GF 2 1/2 | GE 2  | GE 1 1/2 | GE 1 1/4 | GE 1  | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 1    | 85.3                        | 87.0  | 87.0  | 87.0  | 87.0  | 87.0     | 87.0  | 87.0     | 87.0     | 87.0  | 87.0   | 87.0   | 87.0   | 87.0    | 87.0   | 87.0  |
| GE 20000 | 1    | 91.5                        | 93.2  | 93.2  | 93.2  | 93.2  | 93.2     | 93.2  | 93.2     | 93.2     | 93.2  | 93.2   | 93.2   | 93.2   | 93.2    | 93.2   | 93.2  |
| GE 18000 | 1    | 91.5                        | 93.2  | 93.2  | 93.2  | 93.2  | 93.2     | 93.2  | 93.2     | 93.2     | 93.2  | 93.2   | 93.2   | 93.2   | 93.2    | 93.2   | 93.2  |
| GE 16000 | 1    | 91.6                        | 93.3  | 93.3  | 93.3  | 93.3  | 93.3     | 93.3  | 93.3     | 93.3     | 93.3  | 93.3   | 93.3   | 93.3   | 93.3    | 93.3   | 93.3  |
| GE 14000 | 1    | 91.9                        | 93.7  | 93.7  | 93.7  | 93.7  | 93.7     | 93.7  | 93.7     | 93.7     | 93.7  | 93.7   | 93.7   | 93.7   | 93.7    | 93.7   | 93.7  |
| GE 12000 | 1    | 93.0                        | 94.7  | 94.7  | 94.7  | 94.7  | 94.7     | 94.7  | 94.7     | 94.7     | 94.7  | 94.7   | 94.7   | 94.7   | 94.7    | 94.7   | 94.7  |
| GE 10000 | 1    | 94.3                        | 96.0  | 96.0  | 96.0  | 96.0  | 96.0     | 96.0  | 96.0     | 96.0     | 96.0  | 96.0   | 96.0   | 96.0   | 96.0    | 96.0   | 96.0  |
| GE 9000  | 1    | 94.9                        | 96.7  | 96.7  | 96.7  | 96.7  | 96.7     | 96.7  | 96.7     | 96.7     | 96.7  | 96.7   | 96.7   | 96.7   | 96.7    | 96.7   | 96.7  |
| GE 8000  | 1    | 95.5                        | 97.2  | 97.2  | 97.2  | 97.2  | 97.2     | 97.2  | 97.2     | 97.2     | 97.2  | 97.2   | 97.2   | 97.2   | 97.2    | 97.2   | 97.2  |
| GE 7000  | 1    | 95.7                        | 97.4  | 97.4  | 97.4  | 97.4  | 97.4     | 97.4  | 97.4     | 97.4     | 97.4  | 97.4   | 97.4   | 97.4   | 97.4    | 97.4   | 97.4  |
| GE 6000  | 1    | 96.1                        | 97.6  | 97.6  | 97.6  | 97.6  | 97.6     | 97.6  | 97.6     | 97.6     | 97.6  | 97.6   | 97.6   | 97.6   | 97.6    | 97.6   | 97.6  |
| GE 5000  | 1    | 96.6                        | 98.3  | 98.3  | 98.3  | 98.3  | 98.3     | 98.3  | 98.3     | 98.3     | 98.3  | 98.3   | 98.3   | 98.3   | 98.3    | 98.3   | 98.3  |
| GE 4500  | 1    | 96.7                        | 98.4  | 98.4  | 98.4  | 98.4  | 98.4     | 98.4  | 98.4     | 98.4     | 98.4  | 98.4   | 98.4   | 98.4   | 98.4    | 98.4   | 98.4  |
| GE 4000  | 1    | 97.3                        | 99.1  | 99.1  | 99.1  | 99.1  | 99.1     | 99.1  | 99.1     | 99.1     | 99.1  | 99.1   | 99.1   | 99.1   | 99.1    | 99.1   | 99.1  |
| GE 3500  | 1    | 97.5                        | 99.5  | 99.5  | 99.5  | 99.5  | 99.5     | 99.5  | 99.5     | 99.5     | 99.5  | 99.5   | 99.5   | 99.5   | 99.5    | 99.5   | 99.5  |
| GE 3000  | 1    | 97.5                        | 99.7  | 99.7  | 99.7  | 99.7  | 99.7     | 99.7  | 99.7     | 99.7     | 99.7  | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7  |
| GE 2500  | 1    | 97.5                        | 99.7  | 99.7  | 99.7  | 99.7  | 99.7     | 99.7  | 99.7     | 99.7     | 99.7  | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7  |
| GE 2000  | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 1800  | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 1600  | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 1400  | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 1200  | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 1000  | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 900   | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 800   | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 700   | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 600   | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 500   | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 400   | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 300   | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 200   | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 100   | 1    | 97.5                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |          |      |          |      |        |        |        |         |        |      |
|----------|------|-----------------------------|------|------|------|------|------|----------|------|----------|------|--------|--------|--------|---------|--------|------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL  | 78.7 | 90.4                        | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6     | 80.6 | 80.6     | 80.6 | 80.6   | 80.6   | 80.6   | 80.6    | 80.6   | 80.6 |
| GE 20000 | 54.9 | 86.7                        | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9     | 86.9 | 86.9     | 86.9 | 86.9   | 86.9   | 86.9   | 86.9    | 86.9   | 86.9 |
| GE 18000 | 84.9 | 86.7                        | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0     | 87.0 | 87.0     | 87.0 | 87.0   | 87.0   | 87.0   | 87.0    | 87.0   | 87.0 |
| GE 16000 | 85.0 | 86.8                        | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1     | 87.1 | 87.1     | 87.1 | 87.1   | 87.1   | 87.1   | 87.1    | 87.1   | 87.1 |
| GE 14000 | 85.7 | 87.5                        | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8     | 87.8 | 87.8     | 87.8 | 87.8   | 87.8   | 87.8   | 87.8    | 87.8   | 87.8 |
| GE 12000 | 87.0 | 89.0                        | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3     | 89.3 | 89.3     | 89.3 | 89.3   | 89.3   | 89.3   | 89.3    | 89.3   | 89.3 |
| GE 10000 | 89.6 | 91.8                        | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1     | 92.1 | 92.1     | 92.1 | 92.1   | 92.1   | 92.1   | 92.1    | 92.1   | 92.1 |
| GE 9000  | 90.1 | 92.3                        | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6     | 92.6 | 92.6     | 92.6 | 92.6   | 92.6   | 92.6   | 92.6    | 92.6   | 92.6 |
| GE 8000  | 91.9 | 93.7                        | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0     | 94.0 | 94.0     | 94.0 | 94.0   | 94.0   | 94.0   | 94.0    | 94.0   | 94.0 |
| GE 7000  | 92.0 | 94.3                        | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6     | 94.6 | 94.6     | 94.6 | 94.6   | 94.6   | 94.6   | 94.6    | 94.6   | 94.6 |
| GE 6000  | 92.6 | 94.9                        | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2     | 95.2 | 95.2     | 95.2 | 95.2   | 95.2   | 95.2   | 95.2    | 95.2   | 95.2 |
| GE 5000  | 93.4 | 95.8                        | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1     | 96.1 | 96.1     | 96.1 | 96.1   | 96.1   | 96.1   | 96.1    | 96.1   | 96.1 |
| GE 4500  | 93.7 | 96.1                        | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5     | 96.5 | 96.5     | 96.5 | 96.5   | 96.5   | 96.5   | 96.5    | 96.5   | 96.5 |
| GE 4000  | 94.5 | 97.0                        | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4     | 97.4 | 97.4     | 97.4 | 97.4   | 97.4   | 97.4   | 97.4    | 97.4   | 97.4 |
| GE 3500  | 94.9 | 97.4                        | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8     | 97.8 | 97.8     | 97.8 | 97.8   | 97.8   | 97.8   | 97.8    | 97.8   | 97.8 |
| GE 3000  | 95.3 | 98.0                        | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5     | 98.5 | 98.5     | 98.5 | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5 |
| GE 2500  | 95.6 | 98.4                        | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8     | 98.8 | 98.8     | 98.8 | 98.8   | 98.8   | 98.8   | 98.8    | 98.8   | 98.8 |
| GE 2000  | 95.0 | 98.8                        | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2     | 99.2 | 99.2     | 99.2 | 99.2   | 99.2   | 99.2   | 99.2    | 99.2   | 99.2 |
| GE 1800  | 96.0 | 98.8                        | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3     | 99.3 | 99.3     | 99.3 | 99.3   | 99.3   | 99.3   | 99.3    | 99.3   | 99.3 |
| GE 1500  | 96.3 | 99.1                        | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5     | 99.5 | 99.5     | 99.5 | 99.5   | 99.5   | 99.5   | 99.5    | 99.5   | 99.5 |
| GE 1200  | 96.3 | 99.2                        | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |
| GE 1000  | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |
| GE 900   | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |
| GE 800   | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |
| GE 700   | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |
| GE 600   | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |
| GE 500   | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |
| GE 400   | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |
| GE 300   | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |
| GE 200   | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |
| GE 100   | 96.3 | 99.2                        | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7     | 99.7 | 99.7     | 99.7 | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 0000-0200

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 |
| NO CEIL               | 77.2                        | 78.4    | 78.4    | 78.4    | 78.4    | 78.4    | 78.4    | 78.4    | 78.4    | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     |
| GE 20000              | 85.3                        | 86.5    | 86.5    | 86.5    | 86.5    | 86.5    | 86.5    | 86.5    | 86.5    | 86.5     | 86.5     | 86.5     | 86.5     | 86.5     | 86.5     | 86.5     |
| GE 18000              | 85.3                        | 86.5    | 86.5    | 86.5    | 86.5    | 86.5    | 86.5    | 86.5    | 86.5    | 86.5     | 86.5     | 86.5     | 86.5     | 86.5     | 86.5     | 86.5     |
| GE 16000              | 85.4                        | 86.6    | 86.6    | 86.6    | 86.6    | 86.6    | 86.6    | 86.6    | 86.6    | 86.6     | 86.6     | 86.6     | 86.6     | 86.6     | 86.6     | 86.6     |
| GE 14000              | 85.5                        | 86.7    | 86.7    | 86.7    | 86.7    | 86.7    | 86.7    | 86.7    | 86.7    | 86.7     | 86.7     | 86.7     | 86.7     | 86.7     | 86.7     | 86.7     |
| GE 12000              | 86.6                        | 88.6    | 88.6    | 88.6    | 88.6    | 88.6    | 88.6    | 88.6    | 88.6    | 88.6     | 88.6     | 88.6     | 88.6     | 88.6     | 88.6     | 88.6     |
| GE 10000              | 90.1                        | 92.4    | 92.4    | 92.4    | 92.4    | 92.4    | 92.4    | 92.4    | 92.4    | 92.4     | 92.4     | 92.4     | 92.4     | 92.4     | 92.4     | 92.4     |
| GE 9000               | 90.1                        | 92.4    | 92.4    | 92.4    | 92.4    | 92.4    | 92.4    | 92.4    | 92.4    | 92.4     | 92.4     | 92.4     | 92.4     | 92.4     | 92.4     | 92.4     |
| GE 8000               | 91.2                        | 93.2    | 93.2    | 93.2    | 93.2    | 93.2    | 93.2    | 93.2    | 93.2    | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     |
| GE 7000               | 91.2                        | 93.5    | 93.5    | 93.5    | 93.5    | 93.5    | 93.5    | 93.5    | 93.5    | 93.5     | 93.5     | 93.5     | 93.5     | 93.5     | 93.5     | 93.5     |
| GE 6000               | 91.6                        | 94.2    | 94.2    | 94.2    | 94.2    | 94.2    | 94.2    | 94.2    | 94.2    | 94.2     | 94.2     | 94.2     | 94.2     | 94.2     | 94.2     | 94.2     |
| GE 5000               | 92.9                        | 95.3    | 95.3    | 95.3    | 95.3    | 95.3    | 95.3    | 95.4    | 95.4    | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     | 95.4     |
| GE 4500               | 93.7                        | 96.0    | 96.0    | 96.0    | 96.0    | 96.0    | 96.0    | 96.1    | 96.1    | 96.1     | 96.1     | 96.1     | 96.1     | 96.1     | 96.1     | 96.1     |
| GE 4000               | 94.6                        | 97.0    | 97.0    | 97.0    | 97.0    | 97.0    | 97.0    | 97.1    | 97.1    | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     | 97.1     |
| GE 3500               | 94.9                        | 97.4    | 97.4    | 97.4    | 97.4    | 97.4    | 97.4    | 97.5    | 97.5    | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     | 97.5     |
| GE 3000               | 95.4                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.1    | 98.1    | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     |
| GE 2500               | 95.4                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.1    | 98.1    | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     |
| GE 2000               | 95.4                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.1    | 98.1    | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     |
| GE 1800               | 95.4                        | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.0    | 98.1    | 98.1    | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     | 98.1     |
| GE 1500               | 95.9                        | 98.7    | 98.8    | 98.8    | 98.8    | 98.8    | 98.8    | 98.9    | 98.9    | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     | 98.9     |
| GE 1200               | 96.1                        | 99.1    | 99.2    | 99.2    | 99.2    | 99.2    | 99.2    | 99.4    | 99.4    | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     | 99.4     |
| GE 1000               | 96.1                        | 99.2    | 99.4    | 99.4    | 99.4    | 99.4    | 99.4    | 99.5    | 99.5    | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     | 99.5     |
| GE 900                | 96.1                        | 99.5    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.7    | 99.7    | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     |
| GE 800                | 96.1                        | 99.5    | 99.6    | 99.6    | 99.6    | 99.6    | 99.6    | 99.7    | 99.7    | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     |
| GE 700                | 96.1                        | 99.7    | 99.8    | 99.8    | 99.8    | 99.8    | 99.8    | 99.9    | 99.9    | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     | 99.9     |
| GE 600                | 96.1                        | 99.8    | 99.9    | 99.9    | 99.9    | 99.9    | 99.9    | 100.0   | 100.0   | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 500                | 96.1                        | 99.8    | 99.9    | 99.9    | 99.9    | 99.9    | 99.9    | 100.0   | 100.0   | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 400                | 96.1                        | 99.8    | 99.9    | 99.9    | 99.9    | 99.9    | 99.9    | 100.0   | 100.0   | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 300                | 96.1                        | 99.8    | 99.9    | 99.9    | 99.9    | 99.9    | 99.9    | 100.0   | 100.0   | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 200                | 96.1                        | 99.8    | 99.9    | 99.9    | 99.9    | 99.9    | 99.9    | 100.0   | 100.0   | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| GE 100                | 96.1                        | 99.8    | 99.9    | 99.9    | 99.9    | 99.9    | 99.9    | 100.0   | 100.0   | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS (LST): 0300-0500

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |       |      |       |      |       |      |       |      |       |      |       |      |       |      |       |
|-----------------------|-----------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
|                       | 1                           | 1 1/2 | 2    | 2 1/2 | 3    | 3 1/2 | 4    | 4 1/2 | 5    | 5 1/2 | 6    | 6 1/2 | 7    | 7 1/2 | 8    | 8 1/2 |
| NO CEIL               | 76.0                        | 76.2  | 78.6 | 78.6  | 79.6 | 78.6  | 78.6 | 78.6  | 78.6 | 78.6  | 78.6 | 78.6  | 78.6 | 78.6  | 78.6 | 78.6  |
| GE 20000              | 83.2                        | 85.7  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  |
| GE 18000              | 83.2                        | 85.7  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  |
| GE 16000              | 83.2                        | 85.7  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1 | 86.1  |
| GE 14000              | 83.4                        | 85.9  | 86.3 | 86.3  | 86.3 | 86.3  | 86.3 | 86.3  | 86.3 | 86.3  | 86.3 | 86.3  | 86.3 | 86.3  | 86.3 | 86.3  |
| GE 12000              | 85.7                        | 86.2  | 88.6 | 88.6  | 88.6 | 88.6  | 88.6 | 88.6  | 88.6 | 88.6  | 88.6 | 88.6  | 88.6 | 88.6  | 88.6 | 88.6  |
| GE 10000              | 87.5                        | 90.0  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  |
| GE 9000               | 87.5                        | 90.0  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  | 90.4 | 90.4  |
| GE 8000               | 88.4                        | 90.9  | 91.3 | 91.3  | 91.3 | 91.3  | 91.3 | 91.3  | 91.3 | 91.3  | 91.3 | 91.3  | 91.3 | 91.3  | 91.3 | 91.3  |
| GE 7000               | 89.0                        | 91.7  | 92.2 | 92.2  | 92.2 | 92.2  | 92.2 | 92.2  | 92.2 | 92.2  | 92.2 | 92.2  | 92.2 | 92.2  | 92.2 | 92.2  |
| GE 6000               | 89.6                        | 92.3  | 92.7 | 92.7  | 92.7 | 92.7  | 92.7 | 92.7  | 92.7 | 92.7  | 92.7 | 92.7  | 92.7 | 92.7  | 92.7 | 92.7  |
| GE 5000               | 90.6                        | 93.4  | 93.9 | 93.9  | 93.9 | 93.9  | 93.9 | 93.9  | 93.9 | 93.9  | 93.9 | 93.9  | 93.9 | 93.9  | 93.9 | 93.9  |
| GE 4500               | 90.9                        | 94.1  | 94.5 | 94.5  | 94.5 | 94.5  | 94.5 | 94.5  | 94.5 | 94.5  | 94.5 | 94.5  | 94.5 | 94.5  | 94.5 | 94.5  |
| GE 4000               | 92.7                        | 96.3  | 96.8 | 96.8  | 96.8 | 96.8  | 96.8 | 96.8  | 96.8 | 96.8  | 96.8 | 96.8  | 96.8 | 96.8  | 96.8 | 96.8  |
| GE 3500               | 93.3                        | 97.0  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  | 97.4 | 97.4  |
| GE 3000               | 93.5                        | 97.2  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  |
| GE 2500               | 93.5                        | 97.2  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  |
| GE 2000               | 93.7                        | 97.4  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  |
| GE 1800               | 93.7                        | 97.4  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  | 98.0 | 98.0  |
| GE 1500               | 94.1                        | 97.8  | 98.4 | 98.4  | 98.4 | 98.4  | 98.4 | 98.4  | 98.4 | 98.4  | 98.4 | 98.4  | 98.4 | 98.4  | 98.4 | 98.4  |
| GE 1200               | 94.3                        | 98.3  | 98.6 | 98.6  | 98.6 | 98.6  | 98.6 | 98.6  | 98.6 | 98.6  | 98.6 | 98.6  | 98.6 | 98.6  | 98.6 | 98.6  |
| GE 1000               | 94.5                        | 98.5  | 99.0 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  | 99.1 | 99.1  |
| GE 900                | 94.5                        | 98.7  | 99.2 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  | 99.4 | 99.4  |
| GE 800                | 94.5                        | 98.9  | 99.5 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  | 99.6 | 99.6  |
| GE 700                | 94.5                        | 98.9  | 99.5 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  |
| GE 600                | 94.5                        | 98.9  | 99.5 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  | 99.7 | 99.7  |
| GE 500                | 94.5                        | 98.9  | 99.5 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  |
| GE 400                | 94.5                        | 98.9  | 99.5 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  |
| GE 300                | 94.5                        | 98.9  | 99.5 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  |
| GE 200                | 94.5                        | 98.9  | 99.5 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  |
| GE 100                | 94.5                        | 98.9  | 99.5 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  |
| GE 0                  | 94.5                        | 98.9  | 99.5 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 99.9  |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS (LST): 0600-0800

| CEILING    |         | VISIBILITY IN STATUTE MILES |         |         |         |             |         |             |             |         |           |           |           |            |           |         |  |
|------------|---------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN<br>FEET | 1<br>10 | GE<br>6                     | GE<br>5 | GE<br>4 | GE<br>3 | GF<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |  |
| NO CEIL    | 69.9    | 72.6                        | 72.7    | 73.1    | 73.1    | 73.2        | 73.3    | 73.3        | 73.3        | 73.3    | 73.3      | 73.3      | 73.3      | 73.3       | 73.3      | 73.3    |  |
| GE 20000   | 75.8    | 78.6                        | 78.7    | 79.1    | 79.1    | 79.2        | 79.4    | 79.4        | 79.4        | 79.4    | 79.4      | 79.4      | 79.4      | 79.4       | 79.4      | 79.4    |  |
| GE 18000   | 75.9    | 78.7                        | 78.8    | 79.2    | 79.2    | 79.4        | 79.5    | 79.5        | 79.5        | 79.5    | 79.5      | 79.5      | 79.5      | 79.5       | 79.5      | 79.5    |  |
| GE 16000   | 76.1    | 78.9                        | 79.0    | 79.5    | 79.5    | 79.6        | 79.7    | 79.7        | 79.7        | 79.7    | 79.7      | 79.7      | 79.7      | 79.7       | 79.7      | 79.7    |  |
| GE 14000   | 77.0    | 79.8                        | 79.9    | 80.3    | 80.3    | 80.4        | 80.5    | 80.5        | 80.5        | 80.5    | 80.5      | 80.5      | 80.5      | 80.5       | 80.5      | 80.5    |  |
| GE 12000   | 80.8    | 83.8                        | 83.9    | 84.3    | 84.3    | 84.4        | 84.5    | 84.5        | 84.5        | 84.5    | 84.5      | 84.5      | 84.5      | 84.5       | 84.5      | 84.5    |  |
| GE 10000   | 87.5    | 86.9                        | 87.0    | 87.4    | 87.4    | 87.5        | 87.6    | 87.6        | 87.6        | 87.6    | 87.6      | 87.6      | 87.6      | 87.6       | 87.6      | 87.6    |  |
| GE 9000    | 83.8    | 87.1                        | 87.2    | 87.6    | 87.6    | 87.7        | 87.8    | 87.8        | 87.8        | 87.8    | 87.8      | 87.8      | 87.8      | 87.8       | 87.8      | 87.8    |  |
| GE 8000    | 85.1    | 88.6                        | 88.9    | 89.4    | 89.4    | 89.5        | 89.6    | 89.6        | 89.6        | 89.6    | 89.6      | 89.6      | 89.6      | 89.6       | 89.6      | 89.6    |  |
| GE 7000    | 85.9    | 89.7                        | 89.8    | 90.2    | 90.2    | 90.3        | 90.4    | 90.4        | 90.4        | 90.4    | 90.4      | 90.4      | 90.4      | 90.4       | 90.4      | 90.4    |  |
| GE 6000    | 86.7    | 90.5                        | 90.6    | 91.1    | 91.1    | 91.2        | 91.3    | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3       | 91.3      | 91.3    |  |
| GE 5000    | 87.4    | 92.0                        | 92.2    | 92.6    | 92.6    | 92.7        | 92.8    | 92.8        | 92.8        | 92.8    | 92.8      | 92.8      | 92.8      | 92.8       | 92.8      | 92.8    |  |
| GE 4500    | 87.7    | 92.5                        | 92.6    | 93.0    | 93.0    | 93.1        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2       | 93.2      | 93.2    |  |
| GE 4000    | 88.9    | 94.3                        | 94.5    | 95.1    | 95.1    | 95.4        | 95.5    | 95.5        | 95.5        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5       | 95.5      | 95.5    |  |
| GE 3500    | 89.4    | 94.7                        | 94.9    | 95.5    | 95.5    | 95.6        | 95.9    | 95.9        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9       | 95.9      | 95.9    |  |
| GE 3000    | 89.4    | 94.8                        | 95.1    | 95.6    | 95.6    | 96.1        | 96.2    | 96.2        | 96.2        | 96.2    | 96.2      | 96.2      | 96.2      | 96.2       | 96.2      | 96.2    |  |
| GE 2500    | 89.9    | 95.3                        | 95.5    | 96.0    | 96.3    | 96.6        | 96.8    | 96.8        | 96.8        | 96.8    | 96.8      | 96.8      | 96.8      | 96.8       | 96.8      | 96.8    |  |
| GE 2000    | 90.3    | 95.9                        | 96.1    | 96.7    | 97.0    | 97.2        | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4       | 97.4      | 97.4    |  |
| GE 1800    | 90.3    | 95.9                        | 96.1    | 96.7    | 97.0    | 97.2        | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4       | 97.4      | 97.4    |  |
| GE 1600    | 90.8    | 96.3                        | 96.6    | 97.1    | 97.5    | 97.7        | 98.0    | 98.0        | 98.0        | 98.0    | 98.0      | 98.0      | 98.0      | 98.0       | 98.0      | 98.0    |  |
| GE 1400    | 91.3    | 97.1                        | 97.3    | 97.8    | 98.2    | 98.5        | 98.7    | 98.7        | 98.7        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7       | 98.7      | 98.7    |  |
| GE 1200    | 91.4    | 97.6                        | 97.6    | 98.4    | 98.6    | 99.0        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2       | 99.2      | 99.2    |  |
| GE 1000    | 91.4    | 97.6                        | 97.8    | 98.4    | 98.9    | 99.1        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4       | 99.4      | 99.4    |  |
| GE 900     | 91.4    | 97.6                        | 98.0    | 98.5    | 99.1    | 99.4        | 99.6    | 99.6        | 99.6        | 99.6    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |  |
| GE 800     | 91.4    | 97.7                        | 98.1    | 98.7    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |  |
| GE 700     | 91.4    | 97.7                        | 98.1    | 98.7    | 99.4    | 99.6        | 99.8    | 99.8        | 99.8        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |  |
| GE 600     | 91.4    | 97.7                        | 98.1    | 98.8    | 99.5    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |  |
| GE 500     | 91.4    | 97.7                        | 98.1    | 98.8    | 99.5    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |
| GE 400     | 91.4    | 97.7                        | 98.1    | 98.8    | 99.5    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |
| GE 300     | 91.4    | 97.7                        | 98.1    | 98.8    | 99.5    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |
| GE 200     | 91.4    | 97.7                        | 98.1    | 98.8    | 99.5    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |
| GE 100     | 91.4    | 97.7                        | 98.1    | 98.8    | 99.5    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |
| GE 0       | 91.4    | 97.7                        | 98.1    | 98.8    | 99.5    | 99.7        | 99.9    | 99.9        | 99.9        | 99.9    | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 0900-1100

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |           |           |           |            |           |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
|                       | GE<br>10                    | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |
| NO CEIL               | 72.6                        | 74.3    | 74.4    | 74.4    | 74.4    | 74.4        | 74.4    | 74.4        | 74.4        | 74.4    | 74.4      | 74.4      | 74.4      | 74.4       | 74.4      | 74.4    |
| GE 20000              | 77.8                        | 81.5    | 81.6    | 81.6    | 81.6    | 81.6        | 81.6    | 81.6        | 81.6        | 81.6    | 81.6      | 81.6      | 81.6      | 81.6       | 81.6      | 81.6    |
| GE 18000              | 82.0                        | 81.7    | 81.8    | 81.8    | 81.8    | 81.8        | 81.8    | 81.8        | 81.8        | 81.8    | 81.8      | 81.8      | 81.8      | 81.8       | 81.8      | 81.8    |
| GE 16000              | 83.0                        | 81.7    | 81.8    | 81.8    | 81.8    | 81.8        | 81.8    | 81.8        | 81.8        | 81.8    | 81.8      | 81.8      | 81.8      | 81.8       | 81.8      | 81.8    |
| GE 14000              | 87.3                        | 82.0    | 82.2    | 82.2    | 82.2    | 82.2        | 82.2    | 82.2        | 82.2        | 82.2    | 82.2      | 82.2      | 82.2      | 82.2       | 82.2      | 82.2    |
| GE 12000              | 83.2                        | 84.9    | 85.1    | 85.1    | 85.1    | 85.1        | 85.1    | 85.1        | 85.1        | 85.1    | 85.1      | 85.1      | 85.1      | 85.1       | 85.1      | 85.1    |
| GE 10000              | 86.8                        | 88.6    | 88.6    | 88.9    | 88.9    | 88.9        | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9       | 88.9      | 88.9    |
| GE 9000               | 87.0                        | 88.8    | 89.0    | 89.1    | 89.1    | 89.1        | 89.1    | 89.1        | 89.1        | 89.1    | 89.1      | 89.1      | 89.1      | 89.1       | 89.1      | 89.1    |
| GE 8000               | 88.2                        | 90.4    | 90.6    | 90.9    | 91.0    | 91.0        | 91.0    | 91.0        | 91.0        | 91.0    | 91.0      | 91.0      | 91.0      | 91.0       | 91.0      | 91.0    |
| GE 7000               | 88.6                        | 90.9    | 91.1    | 91.3    | 91.4    | 91.4        | 91.4    | 91.4        | 91.4        | 91.4    | 91.4      | 91.4      | 91.4      | 91.4       | 91.4      | 91.4    |
| GE 6000               | 89.5                        | 91.7    | 91.9    | 92.2    | 92.3    | 92.3        | 92.3    | 92.3        | 92.3        | 92.3    | 92.3      | 92.3      | 92.3      | 92.3       | 92.3      | 92.3    |
| GE 5000               | 90.1                        | 92.5    | 92.7    | 93.0    | 93.1    | 93.1        | 93.1    | 93.1        | 93.1        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1       | 93.1      | 93.1    |
| GE 4500               | 90.6                        | 92.0    | 93.2    | 93.5    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7       | 93.7      | 93.7    |
| GE 4000               | 91.6                        | 94.5    | 94.7    | 95.2    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4       | 95.4      | 95.4    |
| GE 3500               | 91.6                        | 94.5    | 94.7    | 95.2    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4       | 95.4      | 95.4    |
| GE 3000               | 92.0                        | 95.3    | 95.5    | 95.9    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1       | 96.1      | 96.1    |
| GE 2500               | 92.7                        | 96.0    | 96.2    | 96.7    | 96.9    | 96.9        | 96.9    | 96.9        | 96.9        | 96.9    | 96.9      | 96.9      | 96.9      | 96.9       | 96.9      | 96.9    |
| GE 2000               | 93.2                        | 97.2    | 97.4    | 97.8    | 98.1    | 98.1        | 98.1    | 98.1        | 98.1        | 98.1    | 98.1      | 98.1      | 98.1      | 98.1       | 98.1      | 98.1    |
| GE 1800               | 93.3                        | 97.3    | 97.5    | 98.0    | 98.2    | 98.2        | 98.2    | 98.2        | 98.2        | 98.2    | 98.2      | 98.2      | 98.2      | 98.2       | 98.2      | 98.2    |
| GE 1500               | 93.7                        | 97.7    | 98.1    | 98.5    | 98.7    | 98.7        | 98.7    | 98.7        | 98.7        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7       | 98.7      | 98.7    |
| GE 1200               | 93.7                        | 98.1    | 98.4    | 98.8    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0       | 99.0      | 99.0    |
| GE 1000               | 93.7                        | 98.5    | 98.8    | 99.2    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |
| GE 900                | 93.7                        | 98.5    | 98.8    | 99.5    | 99.7    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8       | 99.8      | 99.8    |
| GE 800                | 93.7                        | 98.5    | 98.8    | 99.5    | 99.7    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8       | 99.8      | 99.8    |
| GE 700                | 93.7                        | 98.5    | 98.8    | 99.5    | 99.7    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8       | 99.8      | 99.8    |
| GE 600                | 93.7                        | 98.5    | 98.8    | 99.5    | 99.8    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |
| GE 500                | 93.7                        | 98.5    | 98.8    | 99.5    | 99.8    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |
| GE 400                | 93.7                        | 98.5    | 98.8    | 99.5    | 99.8    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |
| GE 300                | 93.7                        | 98.5    | 98.8    | 99.5    | 99.8    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |
| GE 200                | 93.7                        | 98.5    | 98.8    | 99.5    | 99.8    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |
| GE 100                | 93.7                        | 98.5    | 98.8    | 99.5    | 99.8    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |
| GE 0                  | 93.7                        | 98.5    | 98.8    | 99.5    | 99.8    | 99.9        | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS (LST): 1200-1400

| CEILING  |   | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |      |  |
|----------|---|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|
| IN FEET  | 1 | CE 1/2                      | CE 6 | GF 5 | GE 4 | GE 3 | GF 2 1/2 | CE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |  |
| NO CEIL  | 1 | 67.6                        | 68.7 | 68.7 | 68.7 | 68.7 | 68.7     | 68.7 | 68.7     | 68.7     | 68.7 | 68.7   | 68.7   | 68.7   | 68.7    | 68.7   | 68.7 |  |
| GE 20000 | 1 | 77.7                        | 78.9 | 78.9 | 78.9 | 78.9 | 78.9     | 78.9 | 78.9     | 78.9     | 78.9 | 78.9   | 78.9   | 78.9   | 78.9    | 78.9   | 78.9 |  |
| GE 18000 | 1 | 78.2                        | 79.2 | 79.2 | 79.2 | 79.2 | 79.2     | 79.2 | 79.2     | 79.2     | 79.2 | 79.2   | 79.2   | 79.2   | 79.2    | 79.2   | 79.2 |  |
| GE 16000 | 1 | 79.1                        | 79.3 | 79.3 | 79.3 | 79.3 | 79.3     | 79.3 | 79.3     | 79.3     | 79.3 | 79.3   | 79.3   | 79.3   | 79.3    | 79.3   | 79.3 |  |
| GE 14000 | 1 | 79.2                        | 80.4 | 80.4 | 80.4 | 80.4 | 80.4     | 80.4 | 80.4     | 80.4     | 80.4 | 80.4   | 80.4   | 80.4   | 80.4    | 80.4   | 80.4 |  |
| GE 12000 | 1 | 81.5                        | 82.9 | 82.9 | 82.9 | 82.9 | 82.9     | 82.9 | 82.9     | 82.9     | 82.9 | 82.9   | 82.9   | 82.9   | 82.9    | 82.9   | 82.9 |  |
| GE 10000 | 1 | 84.6                        | 86.0 | 86.0 | 86.0 | 86.0 | 86.0     | 86.0 | 86.0     | 86.0     | 86.0 | 86.0   | 86.0   | 86.0   | 86.0    | 86.0   | 86.0 |  |
| GE 9000  | 1 | 84.9                        | 86.3 | 86.3 | 86.3 | 86.3 | 86.3     | 86.3 | 86.3     | 86.3     | 86.3 | 86.3   | 86.3   | 86.3   | 86.3    | 86.3   | 86.3 |  |
| GE 8000  | 1 | 85.8                        | 87.8 | 87.8 | 87.8 | 87.8 | 87.8     | 87.8 | 87.8     | 87.8     | 87.8 | 87.8   | 87.8   | 87.8   | 87.8    | 87.8   | 87.8 |  |
| GE 7000  | 1 | 86.7                        | 88.7 | 88.7 | 88.7 | 88.7 | 88.7     | 88.7 | 88.7     | 88.7     | 88.7 | 88.7   | 88.7   | 88.7   | 88.7    | 88.7   | 88.7 |  |
| GE 6000  | 1 | 87.0                        | 89.0 | 89.0 | 89.0 | 89.0 | 89.0     | 89.0 | 89.0     | 89.0     | 89.0 | 89.0   | 89.0   | 89.0   | 89.0    | 89.0   | 89.0 |  |
| GE 5000  | 1 | 87.9                        | 90.2 | 90.2 | 90.2 | 90.2 | 90.2     | 90.2 | 90.2     | 90.2     | 90.2 | 90.2   | 90.2   | 90.2   | 90.2    | 90.2   | 90.2 |  |
| GE 4500  | 1 | 89.2                        | 91.5 | 91.5 | 91.5 | 91.5 | 91.5     | 91.5 | 91.5     | 91.5     | 91.5 | 91.5   | 91.5   | 91.5   | 91.5    | 91.5   | 91.5 |  |
| GE 4000  | 1 | 91.4                        | 94.4 | 94.4 | 94.4 | 94.4 | 94.4     | 94.4 | 94.4     | 94.4     | 94.4 | 94.4   | 94.4   | 94.4   | 94.4    | 94.4   | 94.4 |  |
| GE 3500  | 1 | 93.0                        | 96.4 | 96.4 | 96.4 | 96.4 | 96.4     | 96.4 | 96.4     | 96.4     | 96.4 | 96.4   | 96.4   | 96.4   | 96.4    | 96.4   | 96.4 |  |
| GE 3000  | 1 | 93.9                        | 97.5 | 97.5 | 97.5 | 97.5 | 97.5     | 97.5 | 97.5     | 97.5     | 97.5 | 97.5   | 97.5   | 97.5   | 97.5    | 97.5   | 97.5 |  |
| GE 2500  | 1 | 94.7                        | 98.4 | 98.4 | 98.4 | 98.4 | 98.4     | 98.4 | 98.4     | 98.4     | 98.4 | 98.4   | 98.4   | 98.4   | 98.4    | 98.4   | 98.4 |  |
| GE 2000  | 1 | 94.9                        | 98.7 | 98.8 | 98.8 | 98.8 | 98.8     | 98.8 | 98.8     | 98.8     | 98.8 | 98.8   | 98.8   | 98.8   | 98.8    | 98.8   | 98.8 |  |
| GE 1800  | 1 | 94.9                        | 98.7 | 98.8 | 98.8 | 98.8 | 98.8     | 98.8 | 98.8     | 98.8     | 98.8 | 98.8   | 98.8   | 98.8   | 98.8    | 98.8   | 98.8 |  |
| GE 1600  | 1 | 95.0                        | 99.0 | 99.1 | 99.2 | 99.2 | 99.2     | 99.2 | 99.2     | 99.2     | 99.2 | 99.2   | 99.2   | 99.2   | 99.2    | 99.2   | 99.2 |  |
| GE 1200  | 1 | 95.0                        | 99.0 | 99.1 | 99.2 | 99.2 | 99.2     | 99.2 | 99.2     | 99.2     | 99.2 | 99.2   | 99.2   | 99.2   | 99.2    | 99.2   | 99.2 |  |
| GE 1000  | 1 | 95.0                        | 99.1 | 99.2 | 99.4 | 99.4 | 99.4     | 99.4 | 99.4     | 99.4     | 99.4 | 99.4   | 99.4   | 99.4   | 99.4    | 99.4   | 99.4 |  |
| GE 900   | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |
| GE 800   | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |
| GE 700   | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |
| GE 600   | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |
| GE 500   | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |
| GE 400   | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |
| GE 300   | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |
| GE 200   | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |
| GE 100   | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |
| GE 0     | 1 | 95.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6 | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6 |  |

TOTAL NUMBER OF OBSERVATIONS: 425

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722605 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 1500-1700

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| IN       | FEET | 1                           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| FEET     | 1    | 2                           | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   |
| NO CEIL  | 68.4 | 68.6                        | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| GE 20000 | 79.4 | 79.6                        | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 18000 | 79.4 | 79.6                        | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 16000 | 79.4 | 79.6                        | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 14000 | 80.4 | 80.6                        | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 12000 | 82.3 | 82.6                        | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 10000 | 86.7 | 86.3                        | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 9000  | 86.5 | 87.1                        | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 8000  | 89.3 | 89.2                        | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 7000  | 89.7 | 89.7                        | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 6000  | 89.7 | 90.3                        | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 5000  | 91.2 | 92.9                        | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 4500  | 92.7 | 94.0                        | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 4000  | 93.7 | 95.7                        | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 3500  | 95.1 | 97.6                        | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 3000  | 95.4 | 98.1                        | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 2500  | 95.8 | 98.5                        | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 2000  | 95.8 | 98.7                        | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1800  | 95.8 | 98.7                        | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1600  | 96.0 | 99.1                        | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1400  | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1200  | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1000  | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 900   | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 800   | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 700   | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 600   | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 500   | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 400   | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300   | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 200   | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 100   | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 0     | 96.1 | 99.4                        | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87

MONTH: AUG

HOURS(LST): 1800-2000

| CEILING    |         | VISIBILITY IN STATUTE MILES |         |         |         |             |         |             |             |         |           |           |           |            |           |         |  |
|------------|---------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| 14<br>FEET | 1<br>10 | GE<br>6                     | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |  |
| NO CEIL    | 70.4    | 70.6                        | 70.8    | 70.8    | 70.8    | 70.8        | 70.8    | 70.8        | 70.8        | 70.8    | 70.8      | 70.8      | 70.8      | 70.8       | 70.8      | 70.8    |  |
| GE 20000   | 81.8    | 82.3                        | 82.3    | 82.3    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        | 82.3    | 82.3      | 82.3      | 82.3      | 82.3       | 82.3      | 82.3    |  |
| GE 18000   | 80.4    | 81.0                        | 83.0    | 83.0    | 83.0    | 83.0        | 83.0    | 83.0        | 83.0        | 83.0    | 83.0      | 83.0      | 83.0      | 83.0       | 83.0      | 83.0    |  |
| GE 16000   | 82.6    | 83.2                        | 83.2    | 83.2    | 83.2    | 83.2        | 83.2    | 83.2        | 83.2        | 83.2    | 83.2      | 83.2      | 83.2      | 83.2       | 83.2      | 83.2    |  |
| GE 14000   | 84.6    | 85.0                        | 85.0    | 85.0    | 85.0    | 85.0        | 85.0    | 85.0        | 85.0        | 85.0    | 85.0      | 85.0      | 85.0      | 85.0       | 85.0      | 85.0    |  |
| GE 12000   | 86.4    | 86.9                        | 86.9    | 86.9    | 86.9    | 86.9        | 86.9    | 86.9        | 86.9        | 86.9    | 86.9      | 86.9      | 86.9      | 86.9       | 86.9      | 86.9    |  |
| GE 10000   | 90.2    | 90.9                        | 90.9    | 90.9    | 90.9    | 90.9        | 90.9    | 90.9        | 90.9        | 90.9    | 90.9      | 90.9      | 90.9      | 90.9       | 90.9      | 90.9    |  |
| GE 9000    | 90.7    | 91.5                        | 91.5    | 91.5    | 91.5    | 91.5        | 91.5    | 91.5        | 91.5        | 91.5    | 91.5      | 91.5      | 91.5      | 91.5       | 91.5      | 91.5    |  |
| GE 8000    | 92.2    | 93.2                        | 93.2    | 93.2    | 93.2    | 93.2        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2       | 93.2      | 93.2    |  |
| GE 7000    | 93.6    | 93.7                        | 93.7    | 93.7    | 93.7    | 93.7        | 93.7    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.7      | 93.7       | 93.7      | 93.7    |  |
| GE 6000    | 94.4    | 94.4                        | 94.4    | 94.4    | 94.4    | 94.4        | 94.4    | 94.4        | 94.4        | 94.4    | 94.4      | 94.4      | 94.4      | 94.4       | 94.4      | 94.4    |  |
| GE 5000    | 94.3    | 95.6                        | 95.6    | 95.6    | 95.6    | 95.6        | 95.6    | 95.6        | 95.6        | 95.6    | 95.6      | 95.6      | 95.6      | 95.6       | 95.6      | 95.6    |  |
| GE 4500    | 95.3    | 96.5                        | 96.5    | 96.5    | 96.5    | 96.5        | 96.5    | 96.5        | 96.5        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5       | 96.5      | 96.5    |  |
| GE 4000    | 96.1    | 98.2                        | 98.2    | 98.3    | 98.3    | 98.3        | 98.3    | 98.3        | 98.3        | 98.3    | 98.3      | 98.3      | 98.3      | 98.3       | 98.3      | 98.3    |  |
| GE 3500    | 96.7    | 98.5                        | 98.5    | 98.9    | 98.9    | 98.9        | 98.9    | 98.9        | 98.9        | 98.9    | 98.9      | 98.9      | 98.9      | 98.9       | 98.9      | 98.9    |  |
| GE 3000    | 96.9    | 98.9                        | 98.9    | 99.0    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0       | 99.0      | 99.0    |  |
| GE 2500    | 96.9    | 99.1                        | 99.1    | 99.2    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2       | 99.2      | 99.2    |  |
| GE 2000    | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 1800    | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 1600    | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 1400    | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 1200    | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 1000    | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 900     | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 800     | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 700     | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 600     | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 500     | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 400     | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 300     | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 200     | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 100     | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |
| GE 0       | 97.0    | 99.4                        | 99.4    | 99.5    | 99.5    | 99.5        | 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5       | 99.5      | 99.5    |  |

TOTAL NUMBER OF OBSERVATIONS: 327

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 2100-2300

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |          |         |         |         |         |             |         |             |             |         |           |           |           |            |           |         |  |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
|                       | GE<br>1                     | GE<br>10 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |  |
| NO CEIL               | 77.7                        | 77.8     | 77.8    | 77.8    | 77.8    | 77.8    | 77.8        | 77.8    | 77.8        | 77.8        | 77.8    | 77.8      | 77.8      | 77.8      | 77.8       | 77.8      | 77.8    |  |
| GE 20000              | 84.6                        | 84.7     | 84.7    | 84.7    | 84.7    | 84.7    | 84.7        | 84.7    | 84.7        | 84.7        | 84.7    | 84.7      | 84.7      | 84.7      | 84.7       | 84.7      | 84.7    |  |
| GE 18000              | 85.0                        | 85.1     | 85.1    | 85.1    | 85.1    | 85.1    | 85.1        | 85.1    | 85.1        | 85.1        | 85.1    | 85.1      | 85.1      | 85.1      | 85.1       | 85.1      | 85.1    |  |
| GE 16000              | 85.0                        | 85.1     | 85.1    | 85.1    | 85.1    | 85.1    | 85.1        | 85.1    | 85.1        | 85.1        | 85.1    | 85.1      | 85.1      | 85.1      | 85.1       | 85.1      | 85.1    |  |
| GE 14000              | 86.0                        | 86.1     | 86.1    | 86.1    | 86.1    | 86.1    | 86.1        | 86.1    | 86.1        | 86.1        | 86.1    | 86.1      | 86.1      | 86.1      | 86.1       | 86.1      | 86.1    |  |
| GE 12000              | 86.9                        | 87.2     | 87.2    | 87.2    | 87.2    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2       | 87.2      | 87.2    |  |
| GE 10000              | 90.8                        | 91.6     | 91.6    | 91.6    | 91.6    | 91.6    | 91.6        | 91.6    | 91.6        | 91.6        | 91.6    | 91.6      | 91.6      | 91.6      | 91.6       | 91.6      | 91.6    |  |
| GE 9000               | 90.9                        | 91.7     | 91.7    | 91.7    | 91.7    | 91.7    | 91.7        | 91.7    | 91.7        | 91.7        | 91.7    | 91.7      | 91.7      | 91.7      | 91.7       | 91.7      | 91.7    |  |
| GE 8000               | 92.3                        | 93.2     | 93.2    | 93.2    | 93.2    | 93.2    | 93.2        | 93.2    | 93.2        | 93.2        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2       | 93.2      | 93.2    |  |
| GE 7000               | 92.7                        | 93.5     | 93.5    | 93.5    | 93.5    | 93.5    | 93.5        | 93.5    | 93.5        | 93.5        | 93.5    | 93.5      | 93.5      | 93.5      | 93.5       | 93.5      | 93.5    |  |
| GE 6000               | 93.1                        | 94.1     | 94.2    | 94.2    | 94.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    | 94.2      | 94.2      | 94.2      | 94.2       | 94.2      | 94.2    |  |
| GE 5000               | 93.7                        | 95.0     | 95.1    | 95.1    | 95.1    | 95.1    | 95.1        | 95.1    | 95.1        | 95.1        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1       | 95.1      | 95.1    |  |
| GE 4500               | 94.7                        | 96.0     | 96.2    | 96.2    | 96.2    | 96.2    | 96.2        | 96.2    | 96.2        | 96.2        | 96.2    | 96.2      | 96.2      | 96.2      | 96.2       | 96.2      | 96.2    |  |
| GE 4000               | 95.6                        | 97.3     | 97.6    | 97.6    | 97.6    | 97.6    | 97.6        | 97.6    | 97.6        | 97.6        | 97.6    | 97.6      | 97.6      | 97.6      | 97.6       | 97.6      | 97.6    |  |
| GE 3500               | 96.3                        | 97.8     | 98.2    | 98.2    | 98.2    | 98.2    | 98.2        | 98.2    | 98.2        | 98.2        | 98.2    | 98.2      | 98.2      | 98.2      | 98.2       | 98.2      | 98.2    |  |
| GE 3000               | 96.8                        | 98.4     | 98.8    | 98.8    | 98.8    | 98.8    | 98.8        | 98.8    | 98.8        | 98.8        | 98.8    | 98.8      | 98.8      | 98.8      | 98.8       | 98.8      | 98.8    |  |
| GE 2500               | 96.9                        | 98.5     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9        | 98.9    | 98.9        | 98.9        | 98.9    | 98.9      | 98.9      | 98.9      | 98.9       | 98.9      | 98.9    |  |
| GE 2000               | 96.9                        | 98.5     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9        | 98.9    | 98.9        | 98.9        | 98.9    | 98.9      | 98.9      | 98.9      | 98.9       | 98.9      | 98.9    |  |
| GE 1800               | 96.9                        | 98.5     | 98.9    | 98.9    | 98.9    | 98.9    | 98.9        | 98.9    | 98.9        | 98.9        | 98.9    | 98.9      | 98.9      | 98.9      | 98.9       | 98.9      | 98.9    |  |
| GE 1500               | 97.1                        | 98.7     | 99.1    | 99.1    | 99.1    | 99.1    | 99.1        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1       | 99.1      | 99.1    |  |
| GE 1200               | 97.1                        | 98.8     | 99.2    | 99.2    | 99.2    | 99.2    | 99.2        | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2       | 99.2      | 99.2    |  |
| GE 1000               | 97.1                        | 98.8     | 99.2    | 99.4    | 99.4    | 99.4    | 99.4        | 99.4    | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4       | 99.4      | 99.4    |  |
| GE 900                | 97.2                        | 99.0     | 99.6    | 99.6    | 99.6    | 99.6    | 99.6        | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    |  |
| GE 800                | 97.2                        | 99.1     | 99.6    | 99.7    | 99.7    | 99.7    | 99.7        | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.7      | 99.7       | 99.7      | 99.7    |  |
| GE 700                | 97.2                        | 99.2     | 99.7    | 99.8    | 99.8    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8       | 99.8      | 99.8    |  |
| GE 600                | 97.2                        | 99.2     | 99.7    | 99.8    | 99.8    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8       | 99.8      | 99.8    |  |
| GE 500                | 97.2                        | 99.2     | 99.7    | 99.8    | 99.8    | 99.8    | 99.8        | 99.8    | 99.8        | 99.8        | 99.8    | 99.8      | 99.8      | 99.8      | 99.8       | 99.8      | 99.8    |  |
| GE 400                | 97.2                        | 99.4     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |
| GE 300                | 97.2                        | 99.4     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |
| GE 200                | 97.2                        | 99.4     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |
| GE 100                | 97.2                        | 99.4     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |
| GE 0                  | 97.2                        | 99.4     | 99.9    | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   |  |

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(1ST): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |       |        |        |        |         |        |       |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1  | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 3  |
| NO CEIL  | 1    | 72.5                        | 73.7 | 73.7 | 73.8 | 73.8 | 73.8     | 73.8 | 73.8     | 73.8     | 73.8  | 73.8   | 73.8   | 73.8   | 73.8    | 73.8   | 73.8  |
| GE 20000 | 80.9 | 81.2                        | 82.3 | 82.3 | 82.3 | 82.4 | 82.4     | 82.4 | 82.4     | 82.4     | 82.4  | 82.4   | 82.4   | 82.4   | 82.4    | 82.4   | 82.4  |
| GE 18000 | 81.2 | 82.4                        | 82.5 | 82.6 | 82.6 | 82.6 | 82.6     | 82.6 | 82.6     | 82.6     | 82.6  | 82.6   | 82.6   | 82.6   | 82.6    | 82.6   | 82.6  |
| GE 16000 | 81.2 | 82.5                        | 82.6 | 82.6 | 82.6 | 82.7 | 82.7     | 82.7 | 82.7     | 82.7     | 82.7  | 82.7   | 82.7   | 82.7   | 82.7    | 82.7   | 82.7  |
| GE 14000 | 82.0 | 83.3                        | 83.4 | 83.5 | 83.5 | 83.5 | 83.5     | 83.5 | 83.5     | 83.5     | 83.5  | 83.5   | 83.5   | 83.5   | 83.5    | 83.5   | 83.5  |
| GE 12000 | 84.2 | 85.6                        | 85.7 | 85.8 | 85.8 | 85.8 | 85.8     | 85.8 | 85.8     | 85.8     | 85.8  | 85.8   | 85.8   | 85.8   | 85.8    | 85.8   | 85.8  |
| GE 10000 | 87.4 | 89.1                        | 89.2 | 89.3 | 89.3 | 89.3 | 89.3     | 89.3 | 89.3     | 89.3     | 89.3  | 89.3   | 89.3   | 89.3   | 89.3    | 89.3   | 89.3  |
| GE 9000  | 87.7 | 89.4                        | 89.5 | 89.5 | 89.5 | 89.5 | 89.5     | 89.5 | 89.5     | 89.5     | 89.5  | 89.5   | 89.5   | 89.5   | 89.5    | 89.5   | 89.5  |
| GE 8000  | 88.9 | 90.9                        | 90.9 | 91.0 | 91.0 | 91.1 | 91.1     | 91.1 | 91.1     | 91.1     | 91.1  | 91.1   | 91.1   | 91.1   | 91.1    | 91.1   | 91.1  |
| GE 7000  | 89.4 | 91.4                        | 91.5 | 91.6 | 91.6 | 91.6 | 91.6     | 91.6 | 91.6     | 91.6     | 91.6  | 91.6   | 91.6   | 91.6   | 91.6    | 91.6   | 91.6  |
| GE 6000  | 90.0 | 92.1                        | 92.2 | 92.3 | 92.3 | 92.3 | 92.3     | 92.3 | 92.3     | 92.3     | 92.3  | 92.3   | 92.3   | 92.3   | 92.3    | 92.3   | 92.3  |
| GE 5000  | 91.0 | 93.4                        | 93.5 | 93.6 | 93.6 | 93.6 | 93.6     | 93.6 | 93.6     | 93.6     | 93.6  | 93.6   | 93.6   | 93.6   | 93.6    | 93.6   | 93.6  |
| GE 4500  | 91.8 | 94.2                        | 94.3 | 94.4 | 94.4 | 94.4 | 94.4     | 94.5 | 94.5     | 94.5     | 94.5  | 94.5   | 94.5   | 94.5   | 94.5    | 94.5   | 94.5  |
| GE 4000  | 93.1 | 96.0                        | 96.1 | 96.3 | 96.3 | 96.3 | 96.4     | 96.4 | 96.4     | 96.4     | 96.4  | 96.4   | 96.4   | 96.4   | 96.4    | 96.4   | 96.4  |
| GE 3500  | 93.8 | 96.6                        | 97.0 | 97.1 | 97.2 | 97.2 | 97.2     | 97.2 | 97.2     | 97.2     | 97.2  | 97.2   | 97.2   | 97.2   | 97.2    | 97.2   | 97.2  |
| GE 3000  | 94.1 | 97.3                        | 97.5 | 97.6 | 97.7 | 97.7 | 97.7     | 97.8 | 97.8     | 97.8     | 97.8  | 97.8   | 97.8   | 97.8   | 97.8    | 97.8   | 97.8  |
| GE 2500  | 94.5 | 97.6                        | 97.8 | 98.0 | 98.0 | 98.1 | 98.1     | 98.1 | 98.1     | 98.1     | 98.1  | 98.1   | 98.1   | 98.1   | 98.1    | 98.1   | 98.1  |
| GE 2000  | 94.6 | 98.0                        | 98.2 | 98.3 | 98.4 | 98.4 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5  | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5  |
| GE 1800  | 94.7 | 98.0                        | 98.2 | 98.3 | 98.4 | 98.4 | 98.5     | 98.5 | 98.5     | 98.5     | 98.5  | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5  |
| GE 1500  | 94.9 | 98.4                        | 98.6 | 98.7 | 98.8 | 98.8 | 98.9     | 98.9 | 98.9     | 98.9     | 98.9  | 98.9   | 98.9   | 98.9   | 98.9    | 98.9   | 98.9  |
| GE 1200  | 95.1 | 98.6                        | 98.9 | 99.0 | 99.1 | 99.2 | 99.2     | 99.2 | 99.2     | 99.2     | 99.2  | 99.2   | 99.2   | 99.2   | 99.2    | 99.2   | 99.2  |
| GE 1000  | 95.1 | 98.8                        | 99.1 | 99.2 | 99.3 | 99.4 | 99.4     | 99.4 | 99.4     | 99.4     | 99.4  | 99.4   | 99.4   | 99.4   | 99.4    | 99.4   | 99.4  |
| GE 900   | 95.1 | 98.9                        | 99.2 | 99.4 | 99.5 | 99.5 | 99.6     | 99.6 | 99.6     | 99.6     | 99.6  | 99.6   | 99.6   | 99.6   | 99.6    | 99.6   | 99.6  |
| GE 800   | 95.1 | 99.0                        | 99.2 | 99.4 | 99.6 | 99.6 | 99.7     | 99.7 | 99.7     | 99.7     | 99.7  | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7  |
| GE 700   | 95.1 | 99.0                        | 99.3 | 99.5 | 99.7 | 99.7 | 99.7     | 99.8 | 99.8     | 99.8     | 99.8  | 99.8   | 99.8   | 99.8   | 99.8    | 99.8   | 99.8  |
| GE 600   | 95.1 | 99.1                        | 99.4 | 99.6 | 99.8 | 99.8 | 99.8     | 99.9 | 99.9     | 99.9     | 99.9  | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   | 99.9  |
| GE 500   | 95.1 | 99.1                        | 99.4 | 99.7 | 99.8 | 99.9 | 99.9     | 99.9 | 99.9     | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 400   | 95.1 | 99.1                        | 99.4 | 99.7 | 99.8 | 99.9 | 99.9     | 99.9 | 99.9     | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 300   | 95.1 | 99.1                        | 99.4 | 99.7 | 99.8 | 99.9 | 99.9     | 99.9 | 99.9     | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 200   | 95.1 | 99.1                        | 99.4 | 99.7 | 99.8 | 99.9 | 99.9     | 99.9 | 99.9     | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 100   | 95.1 | 99.1                        | 99.4 | 99.7 | 99.8 | 99.9 | 99.9     | 99.9 | 99.9     | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 0     | 95.1 | 99.1                        | 99.4 | 99.7 | 99.8 | 99.9 | 99.9     | 99.9 | 99.9     | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7433

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 0000-0200

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |      |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL  | 76.1 | 77.1                        | 77.3 | 77.3 | 77.3 | 77.3 | 77.3     | 77.3 | 77.3     | 77.3     | 77.3 | 77.3   | 77.3   | 77.3   | 77.3    | 77.3   | 77.3 |
| GE 20000 | 80.8 | 81.8                        | 82.0 | 82.0 | 82.0 | 82.0 | 82.0     | 82.0 | 82.0     | 82.0     | 82.0 | 82.0   | 82.0   | 82.0   | 82.0    | 82.0   | 82.0 |
| GE 18000 | 80.8 | 81.8                        | 82.0 | 82.0 | 82.0 | 82.0 | 82.0     | 82.0 | 82.0     | 82.0     | 82.0 | 82.0   | 82.0   | 82.0   | 82.0    | 82.0   | 82.0 |
| GE 16000 | 80.8 | 81.8                        | 82.0 | 82.0 | 82.0 | 82.0 | 82.0     | 82.0 | 82.0     | 82.0     | 82.0 | 82.0   | 82.0   | 82.0   | 82.0    | 82.0   | 82.0 |
| GE 14000 | 81.0 | 82.0                        | 82.2 | 82.2 | 82.2 | 82.2 | 82.2     | 82.2 | 82.2     | 82.2     | 82.2 | 82.2   | 82.2   | 82.2   | 82.2    | 82.2   | 82.2 |
| GE 12000 | 82.0 | 83.0                        | 83.3 | 83.3 | 83.3 | 83.3 | 83.3     | 83.3 | 83.3     | 83.3     | 83.3 | 83.3   | 83.3   | 83.3   | 83.3    | 83.3   | 83.3 |
| GE 10000 | 84.4 | 85.4                        | 85.8 | 85.8 | 85.8 | 85.8 | 85.8     | 85.8 | 85.8     | 85.8     | 85.8 | 85.8   | 85.8   | 85.8   | 85.8    | 85.8   | 85.8 |
| GE 9000  | 84.6 | 86.2                        | 86.6 | 86.6 | 86.6 | 86.6 | 86.6     | 86.6 | 86.6     | 86.6     | 86.6 | 86.6   | 86.6   | 86.6   | 86.6    | 86.6   | 86.6 |
| GE 8000  | 86.3 | 88.0                        | 88.7 | 88.7 | 88.7 | 88.7 | 88.7     | 88.7 | 88.7     | 88.7     | 88.7 | 88.7   | 88.7   | 88.7   | 88.7    | 88.7   | 88.7 |
| GE 7000  | 86.3 | 88.0                        | 88.7 | 88.7 | 88.7 | 88.7 | 88.7     | 88.7 | 88.7     | 88.7     | 88.7 | 88.7   | 88.7   | 88.7   | 88.7    | 88.7   | 88.7 |
| GE 6000  | 86.4 | 88.1                        | 88.9 | 88.9 | 88.9 | 88.9 | 88.9     | 88.9 | 88.9     | 88.9     | 88.9 | 88.9   | 88.9   | 88.9   | 88.9    | 88.9   | 88.9 |
| GE 5000  | 87.2 | 89.0                        | 89.9 | 89.9 | 89.9 | 89.9 | 89.9     | 89.9 | 89.9     | 89.9     | 89.9 | 89.9   | 89.9   | 89.9   | 89.9    | 89.9   | 89.9 |
| GE 4500  | 87.2 | 89.0                        | 89.9 | 90.0 | 90.1 | 90.1 | 90.1     | 90.1 | 90.1     | 90.1     | 90.1 | 90.1   | 90.1   | 90.1   | 90.1    | 90.1   | 90.1 |
| GE 4000  | 87.3 | 89.3                        | 90.2 | 90.4 | 90.6 | 90.6 | 90.6     | 90.6 | 90.6     | 90.6     | 90.6 | 90.6   | 90.6   | 90.6   | 90.6    | 90.6   | 90.6 |
| GE 3500  | 87.4 | 89.4                        | 90.3 | 90.6 | 90.7 | 90.7 | 90.7     | 90.7 | 90.7     | 90.7     | 90.7 | 90.7   | 90.7   | 90.7   | 90.7    | 90.7   | 90.7 |
| GE 3000  | 87.4 | 89.6                        | 90.4 | 90.7 | 90.8 | 90.8 | 90.8     | 90.8 | 90.8     | 90.8     | 90.8 | 90.8   | 90.8   | 90.8   | 90.8    | 90.8   | 90.8 |
| GE 2500  | 88.7 | 90.9                        | 91.8 | 92.0 | 92.1 | 92.1 | 92.1     | 92.1 | 92.1     | 92.1     | 92.1 | 92.1   | 92.1   | 92.1   | 92.1    | 92.1   | 92.1 |
| GE 2000  | 89.1 | 91.4                        | 92.3 | 92.6 | 92.7 | 92.7 | 92.7     | 92.7 | 92.7     | 92.7     | 92.7 | 92.7   | 92.7   | 92.7   | 92.7    | 92.7   | 92.7 |
| GE 1800  | 89.2 | 91.6                        | 92.7 | 92.9 | 93.0 | 93.0 | 93.0     | 93.0 | 93.0     | 93.0     | 93.0 | 93.0   | 93.0   | 93.0   | 93.0    | 93.0   | 93.0 |
| GE 1600  | 89.3 | 92.1                        | 93.2 | 93.6 | 93.7 | 93.7 | 93.7     | 93.7 | 93.7     | 93.7     | 93.7 | 93.7   | 93.7   | 93.7   | 93.7    | 93.7   | 93.7 |
| GE 1400  | 89.7 | 92.4                        | 93.6 | 94.0 | 94.2 | 94.2 | 94.2     | 94.2 | 94.2     | 94.2     | 94.2 | 94.2   | 94.2   | 94.2   | 94.2    | 94.2   | 94.2 |
| GE 1200  | 90.2 | 93.3                        | 94.4 | 94.9 | 95.1 | 95.1 | 95.2     | 95.2 | 95.2     | 95.2     | 95.2 | 95.2   | 95.2   | 95.2   | 95.2    | 95.2   | 95.2 |
| GE 1000  | 90.4 | 93.6                        | 95.3 | 95.8 | 96.1 | 96.1 | 96.2     | 96.2 | 96.2     | 96.2     | 96.2 | 96.2   | 96.2   | 96.2   | 96.2    | 96.2   | 96.2 |
| GE 900   | 90.6 | 94.1                        | 95.8 | 96.2 | 96.6 | 96.6 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7 | 96.7   | 96.7   | 96.7   | 96.7    | 96.7   | 96.7 |
| GE 800   | 90.6 | 94.1                        | 95.8 | 96.2 | 96.6 | 96.6 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7 | 96.7   | 96.7   | 96.7   | 96.7    | 96.7   | 96.7 |
| GE 700   | 90.7 | 94.3                        | 96.2 | 96.7 | 97.2 | 97.2 | 97.3     | 97.3 | 97.3     | 97.3     | 97.3 | 97.3   | 97.3   | 97.3   | 97.3    | 97.3   | 97.3 |
| GE 600   | 90.7 | 94.3                        | 96.2 | 96.7 | 97.2 | 97.2 | 97.3     | 97.3 | 97.3     | 97.3     | 97.3 | 97.3   | 97.3   | 97.3   | 97.3    | 97.3   | 97.3 |
| GE 500   | 90.7 | 94.4                        | 96.7 | 97.2 | 97.9 | 97.9 | 98.0     | 98.0 | 98.0     | 98.0     | 98.0 | 98.0   | 98.0   | 98.0   | 98.0    | 98.0   | 98.0 |
| GE 400   | 90.7 | 94.6                        | 97.0 | 97.7 | 98.3 | 98.3 | 98.4     | 98.4 | 98.4     | 98.4     | 98.4 | 98.4   | 98.4   | 98.4   | 98.4    | 98.4   | 98.4 |
| GE 300   | 90.8 | 94.9                        | 97.3 | 98.3 | 99.0 | 99.0 | 99.1     | 99.1 | 99.1     | 99.1     | 99.1 | 99.1   | 99.1   | 99.1   | 99.1    | 99.1   | 99.1 |
| GE 200   | 90.8 | 94.9                        | 97.3 | 98.3 | 99.0 | 99.0 | 99.1     | 99.1 | 99.1     | 99.1     | 99.1 | 99.1   | 99.1   | 99.1   | 99.1    | 99.1   | 99.1 |
| GE 100   | 90.8 | 94.9                        | 97.3 | 98.3 | 99.0 | 99.0 | 99.1     | 99.1 | 99.1     | 99.1     | 99.1 | 99.1   | 99.1   | 99.1   | 99.1    | 99.1   | 99.1 |
| GE 0     | 90.8 | 94.9                        | 97.3 | 98.3 | 99.0 | 99.0 | 99.1     | 99.1 | 99.1     | 99.1     | 99.1 | 99.1   | 99.1   | 99.1   | 99.1    | 99.1   | 99.1 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86

MONTH: SEP HOURS (LST): 0300-0500

| CEILING  |  | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|----------|--|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET  |  | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  |  | 71.7                        | 72.7 | 73.9 | 74.2 | 74.3 | 74.3     | 74.3 | 74.3     | 74.3     | 74.3 | 74.3   | 74.3   | 74.3   | 74.3    | 74.3   | 74.3  |
| GE 20000 |  | 76.0                        | 76.0 | 76.2 | 76.6 | 76.7 | 76.7     | 76.7 | 76.7     | 76.7     | 76.7 | 76.7   | 76.7   | 76.7   | 76.7    | 76.7   | 76.7  |
| GE 18000 |  | 76.0                        | 76.0 | 76.2 | 76.6 | 76.7 | 76.7     | 76.7 | 76.7     | 76.7     | 76.7 | 76.7   | 76.7   | 76.7   | 76.7    | 76.7   | 76.7  |
| GE 16000 |  | 76.0                        | 76.0 | 76.2 | 76.6 | 76.7 | 76.7     | 76.7 | 76.7     | 76.7     | 76.7 | 76.7   | 76.7   | 76.7   | 76.7    | 76.7   | 76.7  |
| GE 14000 |  | 76.3                        | 76.3 | 76.6 | 76.9 | 76.9 | 76.9     | 76.9 | 76.9     | 76.9     | 76.9 | 76.9   | 76.9   | 76.9   | 76.9    | 76.9   | 76.9  |
| GE 12000 |  | 77.2                        | 79.2 | 79.4 | 79.8 | 80.0 | 80.0     | 80.0 | 80.0     | 80.0     | 80.0 | 80.0   | 80.0   | 80.0   | 80.0    | 80.0   | 80.0  |
| GE 10000 |  | 79.4                        | 81.4 | 81.7 | 82.0 | 82.2 | 82.2     | 82.2 | 82.2     | 82.2     | 82.2 | 82.2   | 82.2   | 82.2   | 82.2    | 82.2   | 82.2  |
| GE 9000  |  | 79.8                        | 81.9 | 82.2 | 82.6 | 82.8 | 82.8     | 82.8 | 82.8     | 82.8     | 82.8 | 82.8   | 82.8   | 82.8   | 82.8    | 82.8   | 82.8  |
| GE 8000  |  | 80.7                        | 82.8 | 83.3 | 83.9 | 84.1 | 84.1     | 84.1 | 84.1     | 84.1     | 84.1 | 84.1   | 84.1   | 84.1   | 84.1    | 84.1   | 84.1  |
| GE 7000  |  | 80.8                        | 83.1 | 83.7 | 84.2 | 84.4 | 84.4     | 84.4 | 84.4     | 84.4     | 84.4 | 84.4   | 84.4   | 84.4   | 84.4    | 84.4   | 84.4  |
| GE 6000  |  | 80.9                        | 83.3 | 83.9 | 84.4 | 84.7 | 84.7     | 84.7 | 84.7     | 84.7     | 84.7 | 84.7   | 84.7   | 84.7   | 84.7    | 84.7   | 84.7  |
| GE 5000  |  | 81.3                        | 83.9 | 84.7 | 85.2 | 85.4 | 85.4     | 85.4 | 85.4     | 85.4     | 85.4 | 85.4   | 85.4   | 85.4   | 85.4    | 85.4   | 85.4  |
| GE 4500  |  | 81.7                        | 84.2 | 85.0 | 85.6 | 85.8 | 85.8     | 85.8 | 85.8     | 85.8     | 85.8 | 85.8   | 85.8   | 85.8   | 85.8    | 85.8   | 85.8  |
| GE 4000  |  | 82.2                        | 84.8 | 85.6 | 86.1 | 86.3 | 86.3     | 86.3 | 86.3     | 86.3     | 86.3 | 86.3   | 86.3   | 86.3   | 86.3    | 86.3   | 86.3  |
| GE 3500  |  | 82.8                        | 85.3 | 86.1 | 86.7 | 86.9 | 86.9     | 86.9 | 86.9     | 86.9     | 86.9 | 86.9   | 86.9   | 86.9   | 86.9    | 86.9   | 86.9  |
| GE 3000  |  | 83.2                        | 85.8 | 86.8 | 87.3 | 87.6 | 87.6     | 87.6 | 87.6     | 87.6     | 87.6 | 87.6   | 87.6   | 87.6   | 87.6    | 87.6   | 87.6  |
| GE 2500  |  | 84.1                        | 86.7 | 87.7 | 88.2 | 88.4 | 88.4     | 88.4 | 88.4     | 88.4     | 88.4 | 88.4   | 88.4   | 88.4   | 88.4    | 88.4   | 88.4  |
| GE 2000  |  | 84.6                        | 87.6 | 88.9 | 89.4 | 89.7 | 89.7     | 89.7 | 89.7     | 89.7     | 89.7 | 89.7   | 89.7   | 89.7   | 89.7    | 89.7   | 89.7  |
| GE 1800  |  | 84.6                        | 87.6 | 88.9 | 89.4 | 89.7 | 89.7     | 89.7 | 89.7     | 89.7     | 89.7 | 89.7   | 89.7   | 89.7   | 89.7    | 89.7   | 89.7  |
| GE 1500  |  | 85.6                        | 89.7 | 91.0 | 91.6 | 91.8 | 91.8     | 91.8 | 91.8     | 91.8     | 91.8 | 91.8   | 91.8   | 91.8   | 91.8    | 91.8   | 91.8  |
| GE 1200  |  | 86.1                        | 90.2 | 91.6 | 92.1 | 92.4 | 92.4     | 92.4 | 92.4     | 92.4     | 92.4 | 92.4   | 92.4   | 92.4   | 92.4    | 92.4   | 92.4  |
| GE 1000  |  | 86.4                        | 90.9 | 92.2 | 93.1 | 93.6 | 93.6     | 93.6 | 93.6     | 93.6     | 93.6 | 93.6   | 93.6   | 93.6   | 93.6    | 93.6   | 93.6  |
| GE 900   |  | 86.6                        | 91.3 | 92.9 | 94.0 | 94.4 | 94.4     | 94.4 | 94.4     | 94.4     | 94.4 | 94.4   | 94.4   | 94.4   | 94.4    | 94.4   | 94.4  |
| GE 800   |  | 86.7                        | 91.9 | 93.6 | 94.8 | 95.2 | 95.2     | 95.2 | 95.2     | 95.2     | 95.2 | 95.2   | 95.2   | 95.2   | 95.2    | 95.2   | 95.2  |
| GE 700   |  | 86.7                        | 91.9 | 93.6 | 94.9 | 95.3 | 95.3     | 95.3 | 95.3     | 95.3     | 95.3 | 95.3   | 95.3   | 95.3   | 95.3    | 95.3   | 95.3  |
| GE 600   |  | 86.9                        | 92.7 | 94.4 | 96.2 | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7 | 96.7   | 96.7   | 96.7   | 96.7    | 96.7   | 96.7  |
| GE 500   |  | 86.9                        | 93.1 | 95.2 | 97.2 | 97.7 | 97.7     | 97.7 | 97.7     | 97.7     | 97.7 | 97.7   | 97.7   | 97.7   | 97.7    | 97.7   | 97.7  |
| GE 400   |  | 87.1                        | 93.3 | 95.4 | 97.7 | 98.4 | 98.4     | 98.6 | 98.6     | 98.6     | 98.6 | 98.6   | 98.6   | 98.6   | 98.6    | 98.6   | 98.6  |
| GE 300   |  | 87.1                        | 93.3 | 95.4 | 98.0 | 99.0 | 99.0     | 99.2 | 99.2     | 99.2     | 99.2 | 99.2   | 99.2   | 99.2   | 99.2    | 99.2   | 99.2  |
| GE 200   |  | 87.1                        | 93.3 | 95.4 | 98.0 | 99.0 | 99.0     | 99.3 | 99.4     | 99.4     | 99.4 | 99.4   | 99.4   | 99.4   | 99.4    | 99.6   | 99.7  |
| GE 100   |  | 87.1                        | 93.3 | 95.4 | 98.0 | 99.0 | 99.0     | 99.3 | 99.4     | 99.4     | 99.4 | 99.4   | 99.6   | 99.6   | 99.8    | 99.9   | 100.0 |
| GE 0     |  | 87.1                        | 93.3 | 95.4 | 98.0 | 99.0 | 99.0     | 99.3 | 99.4     | 99.4     | 99.4 | 99.6   | 99.6   | 99.8   | 99.8    | 99.9   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 0600-0800

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 |
| NO CEIL               | 60.4                        | 61.0    | 63.2    | 63.6    | 63.8    | 63.8    | 64.0    | 64.0    | 64.0    | 64.0     | 64.0     | 64.0     | 64.0     | 64.0     | 64.0     | 64.0     |
| GE 20000              | 64.8                        | 67.7    | 67.9    | 68.4    | 68.7    | 68.7    | 68.9    | 68.9    | 68.9    | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     | 68.9     |
| GE 18000              | 65.1                        | 68.0    | 68.2    | 68.8    | 69.0    | 69.0    | 69.2    | 69.2    | 69.2    | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     |
| GE 16000              | 65.1                        | 68.0    | 68.2    | 68.8    | 69.0    | 69.0    | 69.2    | 69.2    | 69.2    | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     | 69.2     |
| GE 14000              | 65.8                        | 68.7    | 68.9    | 69.4    | 69.7    | 69.7    | 69.9    | 69.9    | 69.9    | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     |
| GE 12000              | 68.1                        | 71.2    | 71.6    | 72.2    | 72.4    | 72.4    | 72.7    | 72.7    | 72.7    | 72.7     | 72.7     | 72.7     | 72.7     | 72.7     | 72.7     | 72.7     |
| GE 10000              | 70.2                        | 73.4    | 73.8    | 74.4    | 74.7    | 74.7    | 74.9    | 75.0    | 75.0    | 75.0     | 75.0     | 75.0     | 75.0     | 75.0     | 75.0     | 75.0     |
| GE 9000               | 70.9                        | 74.1    | 74.6    | 75.3    | 75.6    | 75.6    | 75.8    | 75.9    | 75.9    | 75.9     | 75.9     | 75.9     | 75.9     | 75.9     | 75.9     | 75.9     |
| GE 8000               | 73.1                        | 76.3    | 76.8    | 77.7    | 77.9    | 77.9    | 78.1    | 78.2    | 78.2    | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     | 78.3     |
| GE 7000               | 74.3                        | 77.7    | 78.1    | 79.1    | 79.3    | 79.3    | 79.6    | 79.7    | 79.7    | 79.8     | 79.8     | 79.8     | 79.8     | 79.8     | 79.8     | 79.8     |
| GE 6000               | 75.3                        | 78.7    | 79.1    | 80.1    | 80.3    | 80.3    | 80.6    | 80.7    | 80.7    | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     | 80.8     |
| GE 5000               | 76.2                        | 79.7    | 80.2    | 81.2    | 81.4    | 81.4    | 81.7    | 81.8    | 81.8    | 81.9     | 81.9     | 81.9     | 81.9     | 81.9     | 81.9     | 81.9     |
| GE 4500               | 77.0                        | 80.6    | 81.1    | 82.1    | 82.4    | 82.4    | 82.7    | 82.8    | 82.8    | 82.9     | 82.9     | 82.9     | 82.9     | 82.9     | 82.9     | 82.9     |
| GE 4000               | 77.3                        | 80.9    | 81.4    | 82.4    | 82.6    | 82.6    | 83.0    | 83.1    | 83.1    | 83.2     | 83.2     | 83.2     | 83.2     | 83.2     | 83.2     | 83.2     |
| GE 3500               | 77.6                        | 81.3    | 81.9    | 82.9    | 83.2    | 83.2    | 83.6    | 83.7    | 83.7    | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     |
| GE 3000               | 78.4                        | 82.2    | 82.9    | 84.1    | 84.6    | 84.6    | 84.9    | 85.0    | 85.0    | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     |
| GE 2500               | 79.4                        | 83.6    | 84.4    | 85.7    | 86.2    | 86.2    | 86.6    | 86.7    | 86.7    | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     | 86.8     |
| GE 2000               | 81.2                        | 86.0    | 87.0    | 88.6    | 89.1    | 89.1    | 89.4    | 89.6    | 89.6    | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     |
| GE 1800               | 81.6                        | 86.3    | 87.3    | 88.9    | 89.4    | 89.4    | 89.8    | 89.9    | 89.9    | 90.0     | 90.0     | 90.0     | 90.0     | 90.0     | 90.0     | 90.0     |
| GE 1500               | 82.0                        | 87.3    | 88.4    | 90.1    | 90.7    | 90.7    | 91.0    | 91.1    | 91.1    | 91.2     | 91.2     | 91.2     | 91.2     | 91.2     | 91.2     | 91.2     |
| GE 1200               | 82.3                        | 87.8    | 89.0    | 90.7    | 91.2    | 91.2    | 91.6    | 91.7    | 91.7    | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     | 91.8     |
| GE 1000               | 82.9                        | 89.0    | 90.4    | 92.1    | 92.7    | 92.7    | 93.0    | 93.1    | 93.1    | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     |
| GE 900                | 82.9                        | 89.2    | 90.7    | 92.4    | 93.0    | 93.0    | 93.3    | 93.4    | 93.4    | 93.6     | 93.6     | 93.6     | 93.6     | 93.6     | 93.6     | 93.6     |
| GE 800                | 82.9                        | 89.7    | 91.2    | 93.1    | 93.7    | 93.7    | 94.0    | 94.1    | 94.1    | 94.2     | 94.2     | 94.2     | 94.2     | 94.2     | 94.2     | 94.2     |
| GE 700                | 82.9                        | 89.9    | 91.6    | 93.7    | 94.2    | 94.3    | 94.7    | 94.8    | 94.8    | 94.9     | 94.9     | 94.9     | 94.9     | 94.9     | 94.9     | 94.9     |
| GE 600                | 82.9                        | 90.1    | 91.9    | 94.7    | 95.2    | 95.3    | 95.7    | 95.8    | 95.8    | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     |
| GE 500                | 83.1                        | 90.4    | 92.8    | 95.7    | 96.3    | 96.4    | 96.8    | 96.9    | 96.9    | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     |
| GE 400                | 83.1                        | 90.7    | 93.0    | 96.1    | 96.9    | 97.0    | 97.4    | 97.6    | 97.6    | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     | 97.7     |
| GE 300                | 83.2                        | 90.9    | 93.3    | 96.7    | 97.6    | 97.7    | 98.2    | 98.4    | 98.6    | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     | 98.7     |
| GE 200                | 83.2                        | 91.1    | 93.6    | 96.9    | 97.8    | 97.9    | 98.6    | 98.8    | 98.9    | 99.1     | 99.6     | 99.6     | 99.6     | 99.6     | 99.7     | 99.8     |
| GE 100                | 83.2                        | 91.1    | 93.6    | 96.9    | 97.8    | 97.9    | 98.6    | 98.9    | 99.0    | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 100.0    |
| GE 0                  | 83.2                        | 91.1    | 93.6    | 96.9    | 97.8    | 97.9    | 98.6    | 98.9    | 99.0    | 99.2     | 99.7     | 99.7     | 99.7     | 99.7     | 99.8     | 100.0    |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0900-1100

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |         |             |         |             |             |         |           |           |           |            |           |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
|                       | GE<br>10                    | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 | GE<br>1 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 |
| NO CEIL               | 62.0                        | 63.0    | 63.0    | 63.0    | 63.0    | 63.0    | 63.0        | 63.0    | 63.0        | 63.0        | 63.0    | 63.0      | 63.0      | 63.0      | 63.0       | 63.0      |
| GE 20000              | 67.0                        | 68.7    | 68.7    | 68.7    | 68.7    | 68.7    | 68.7        | 68.7    | 68.7        | 68.7        | 68.7    | 68.7      | 68.7      | 68.7      | 68.7       | 68.7      |
| GE 18000              | 67.1                        | 68.8    | 68.8    | 68.8    | 68.8    | 68.8    | 68.8        | 68.8    | 68.8        | 68.8        | 68.8    | 68.8      | 68.8      | 68.8      | 68.8       | 68.8      |
| GE 16000              | 67.1                        | 68.8    | 68.8    | 68.8    | 68.8    | 68.8    | 68.8        | 68.8    | 68.8        | 68.8        | 68.8    | 68.8      | 68.8      | 68.8      | 68.8       | 68.8      |
| GE 14000              | 68.9                        | 70.7    | 70.7    | 70.7    | 70.7    | 70.7    | 70.7        | 70.7    | 70.7        | 70.7        | 70.7    | 70.7      | 70.7      | 70.7      | 70.7       | 70.7      |
| GE 12000              | 70.9                        | 72.9    | 72.9    | 72.9    | 72.9    | 72.9    | 72.9        | 72.9    | 72.9        | 72.9        | 72.9    | 72.9      | 72.9      | 72.9      | 72.9       | 72.9      |
| GE 10000              | 73.0                        | 75.4    | 75.6    | 75.7    | 75.7    | 75.7    | 75.7        | 75.7    | 75.7        | 75.7        | 75.7    | 75.7      | 75.7      | 75.7      | 75.7       | 75.7      |
| GE 9000               | 73.3                        | 75.8    | 75.9    | 76.0    | 76.0    | 76.0    | 76.0        | 76.0    | 76.0        | 76.0        | 76.0    | 76.0      | 76.0      | 76.0      | 76.0       | 76.0      |
| GE 8000               | 76.7                        | 79.1    | 79.2    | 79.3    | 79.3    | 79.3    | 79.3        | 79.3    | 79.3        | 79.3        | 79.3    | 79.3      | 79.3      | 79.3      | 79.3       | 79.3      |
| GE 7000               | 77.7                        | 80.2    | 80.3    | 80.4    | 80.4    | 80.4    | 80.4        | 80.4    | 80.4        | 80.4        | 80.4    | 80.4      | 80.4      | 80.4      | 80.4       | 80.4      |
| GE 6000               | 77.6                        | 80.7    | 80.9    | 81.0    | 81.0    | 81.0    | 81.0        | 81.0    | 81.0        | 81.0        | 81.0    | 81.0      | 81.0      | 81.0      | 81.0       | 81.0      |
| GE 5000               | 79.7                        | 82.1    | 82.3    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    | 82.4      | 82.4      | 82.4      | 82.4       | 82.4      |
| GE 4500               | 79.3                        | 83.0    | 83.2    | 83.3    | 83.3    | 83.3    | 83.3        | 83.3    | 83.3        | 83.3        | 83.3    | 83.3      | 83.3      | 83.3      | 83.3       | 83.3      |
| GE 4000               | 83.0                        | 83.8    | 84.1    | 84.2    | 84.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2       | 84.2      |
| GE 3500               | 83.6                        | 84.6    | 84.9    | 85.0    | 85.0    | 85.0    | 85.0        | 85.0    | 85.0        | 85.0        | 85.0    | 85.0      | 85.0      | 85.0      | 85.0       | 85.0      |
| GE 3000               | 81.4                        | 86.0    | 86.4    | 86.7    | 86.8    | 86.8    | 86.8        | 86.8    | 86.8        | 86.8        | 86.8    | 86.8      | 86.8      | 86.8      | 86.8       | 86.8      |
| GE 2500               | 82.8                        | 87.8    | 88.2    | 88.4    | 88.6    | 88.6    | 88.6        | 88.6    | 88.6        | 88.6        | 88.6    | 88.6      | 88.6      | 88.6      | 88.6       | 88.6      |
| GE 2000               | 84.1                        | 89.2    | 89.8    | 90.0    | 90.1    | 90.1    | 90.1        | 90.1    | 90.1        | 90.1        | 90.1    | 90.1      | 90.1      | 90.1      | 90.1       | 90.1      |
| GE 1800               | 84.4                        | 89.6    | 90.2    | 90.4    | 90.6    | 90.6    | 90.6        | 90.6    | 90.6        | 90.6        | 90.6    | 90.6      | 90.6      | 90.6      | 90.6       | 90.6      |
| GE 1500               | 84.9                        | 90.2    | 91.0    | 91.3    | 91.4    | 91.4    | 91.4        | 91.4    | 91.4        | 91.4        | 91.4    | 91.4      | 91.4      | 91.4      | 91.4       | 91.4      |
| GE 1200               | 86.0                        | 92.3    | 93.1    | 93.4    | 93.6    | 93.6    | 93.6        | 93.6    | 93.6        | 93.6        | 93.6    | 93.6      | 93.6      | 93.6      | 93.6       | 93.6      |
| GE 1000               | 86.2                        | 93.4    | 94.2    | 94.7    | 94.8    | 94.8    | 94.8        | 94.8    | 94.8        | 94.8        | 94.8    | 94.8      | 94.8      | 94.8      | 94.8       | 94.8      |
| GE 900                | 86.2                        | 94.1    | 95.0    | 95.6    | 95.7    | 95.7    | 95.7        | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.7      | 95.7       | 95.7      |
| GE 800                | 86.2                        | 94.4    | 95.3    | 96.0    | 96.1    | 96.1    | 96.1        | 96.1    | 96.1        | 96.1        | 96.1    | 96.1      | 96.1      | 96.1      | 96.1       | 96.1      |
| GE 700                | 86.3                        | 94.9    | 95.8    | 96.4    | 96.6    | 96.6    | 96.6        | 96.6    | 96.6        | 96.6        | 96.6    | 96.6      | 96.6      | 96.6      | 96.6       | 96.6      |
| GE 600                | 86.7                        | 95.8    | 96.9    | 97.7    | 97.9    | 97.9    | 97.9        | 97.9    | 97.9        | 97.9        | 97.9    | 97.9      | 97.9      | 97.9      | 97.9       | 97.9      |
| GE 500                | 86.7                        | 96.0    | 97.1    | 98.0    | 98.2    | 98.2    | 98.2        | 98.2    | 98.2        | 98.2        | 98.2    | 98.2      | 98.2      | 98.2      | 98.2       | 98.2      |
| GE 400                | 86.8                        | 96.2    | 97.4    | 98.3    | 98.6    | 98.6    | 98.6        | 98.6    | 98.6        | 98.6        | 98.6    | 98.6      | 98.6      | 98.6      | 98.6       | 98.6      |
| GE 300                | 86.8                        | 96.3    | 97.8    | 98.8    | 99.0    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0       | 99.0      |
| GE 200                | 86.8                        | 96.3    | 97.8    | 98.8    | 99.0    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0       | 99.0      |
| GE 100                | 86.8                        | 96.3    | 97.8    | 98.8    | 99.0    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0       | 99.0      |
| GE 0                  | 86.9                        | 96.3    | 97.8    | 98.8    | 99.0    | 99.0    | 99.0        | 99.0    | 99.0        | 99.0        | 99.0    | 99.0      | 99.0      | 99.0      | 99.0       | 99.0      |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1200-1400

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |
|----------|------|-----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN       | FEET | 1                           | GE   | CE   | GE   | GE   | GE   | GE   | GE    | GE    | GE    | GE    | GE    | GE    | GE    | GE    | GE    |
|          |      | 1                           | 10   | 0    | 5    | 4    | 3    | 2    | 1 1/2 | 1     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 5/16  |
|          |      |                             |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |
| NO CEIL  | 1    | 64.1                        | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  |
| GE 20000 | 70.3 | 70.6                        | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  |
| GE 18000 | 70.6 | 70.6                        | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  |
| GE 16000 | 70.6 | 70.6                        | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  | 70.6  |
| GE 14000 | 72.3 | 72.9                        | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9  | 72.9  | 72.9  | 72.9  | 72.9  | 72.9  | 72.9  | 72.9  | 72.9  |
| GE 12000 | 74.4 | 75.3                        | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  |
| GE 10000 | 76.7 | 78.0                        | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  |
| GE 9000  | 76.8 | 78.1                        | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  |
| GE 8000  | 79.1 | 80.4                        | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4  | 80.4  | 80.4  | 80.4  | 80.4  | 80.4  | 80.4  | 80.4  | 80.4  |
| GE 7000  | 79.8 | 81.3                        | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  |
| GE 6000  | 81.3 | 83.1                        | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  |
| GE 5000  | 83.1 | 85.2                        | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  |
| GE 4500  | 83.4 | 85.6                        | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6  | 85.6  | 85.6  | 85.6  | 85.6  | 85.6  | 85.6  | 85.6  | 85.6  |
| GE 4000  | 85.2 | 87.6                        | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  |
| GE 3500  | 86.0 | 88.7                        | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  | 88.8  |
| GE 3000  | 89.8 | 91.7                        | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8  | 91.8  | 91.8  | 91.8  | 91.8  | 91.8  | 91.8  | 91.8  | 91.8  |
| GE 2500  | 89.4 | 92.3                        | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  |
| GE 2000  | 90.6 | 93.6                        | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  |
| GE 1800  | 90.7 | 93.8                        | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  |
| GE 1500  | 91.3 | 95.1                        | 95.6 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  |
| GE 1200  | 91.6 | 96.3                        | 96.6 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  |
| GE 1000  | 91.7 | 96.6                        | 97.0 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  |
| GE 900   | 91.8 | 96.6                        | 97.2 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9  | 97.9  | 97.9  | 97.9  | 97.9  | 97.9  | 97.9  | 97.9  | 97.9  |
| GE 800   | 92.0 | 97.1                        | 97.7 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| GE 700   | 92.0 | 97.7                        | 98.2 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| GE 600   | 92.1 | 98.0                        | 98.6 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| GE 500   | 92.1 | 98.1                        | 98.7 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| GE 400   | 92.1 | 98.1                        | 98.7 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| GE 300   | 92.1 | 98.1                        | 98.7 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200   | 92.1 | 98.1                        | 98.7 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100   | 92.1 | 98.1                        | 98.7 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1500-1700

| CEILING<br>IN<br>FEET | 1 | VISIBILITY IN STATUTE MILES |      |      |      |      |      |       |       |       |       | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0    |
|-----------------------|---|-----------------------------|------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|
|                       |   | GE                          | GE   | GE   | GE   | GE   | GE   | GE    | GE    | GE    | GE    |      |      |      |      |      |      |      |
|                       |   | 10                          | 6    | 5    | 4    | 3    | 2    | 1 1/2 | 1 1/4 | 1 1/4 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0    |
| NO CEIL               | 1 | 67.0                        | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3  | 67.3  | 67.3  | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 20000              | 1 | 71.9                        | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3  | 72.3  | 72.3  | 72.3  | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 14000              | 1 | 72.3                        | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6  | 72.6  | 72.6  | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 16000              | 1 | 72.6                        | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0  | 73.0  | 73.0  | 73.0  | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 14000              | 1 | 74.1                        | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7  | 74.7  | 74.7  | 74.7  | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 12000              | 1 | 75.3                        | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9  | 75.9  | 75.9  | 75.9  | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 10000              | 1 | 80.1                        | 80.8 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0  | 81.0  | 81.0  | 81.0  | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 9000               | 1 | 80.1                        | 80.8 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0  | 81.0  | 81.0  | 81.0  | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 8000               | 1 | 82.3                        | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2  | 83.2  | 83.2  | 83.2  | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 7000               | 1 | 83.7                        | 84.7 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9  | 84.9  | 84.9  | 84.9  | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 6000               | 1 | 84.6                        | 85.6 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8  | 85.8  | 85.8  | 85.8  | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 5000               | 1 | 87.4                        | 88.7 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9  | 88.9  | 88.9  | 88.9  | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 4500               | 1 | 88.3                        | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8  | 89.8  | 89.8  | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 4000               | 1 | 89.9                        | 91.4 | 91.9 | 92.1 | 92.1 | 92.1 | 92.1  | 92.1  | 92.1  | 92.1  | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 3500               | 1 | 90.1                        | 91.7 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3  | 92.3  | 92.3  | 92.3  | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 3000               | 1 | 91.6                        | 93.1 | 93.6 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 2500               | 1 | 91.7                        | 93.6 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7  | 94.7  | 94.7  | 94.7  | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 2000               | 1 | 92.3                        | 94.4 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8  | 95.8  | 95.8  | 95.8  | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 1800               | 1 | 92.7                        | 95.0 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3  | 96.3  | 96.3  | 96.3  | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1500               | 1 | 93.1                        | 95.6 | 97.0 | 97.4 | 97.4 | 97.4 | 97.4  | 97.4  | 97.4  | 97.4  | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1000               | 1 | 97.3                        | 96.2 | 97.4 | 97.9 | 97.9 | 97.9 | 97.9  | 97.9  | 97.9  | 97.9  | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 1000               | 1 | 97.7                        | 96.7 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 900                | 1 | 98.9                        | 96.9 | 98.1 | 98.6 | 98.6 | 98.6 | 98.6  | 98.6  | 98.6  | 98.6  | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 800                | 1 | 98.9                        | 96.9 | 98.1 | 98.6 | 98.6 | 98.6 | 98.6  | 98.6  | 98.6  | 98.6  | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 700                | 1 | 98.9                        | 96.9 | 98.1 | 98.6 | 98.6 | 98.6 | 98.6  | 98.6  | 98.6  | 98.6  | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 600                | 1 | 98.2                        | 97.2 | 98.4 | 98.9 | 98.9 | 98.9 | 98.9  | 98.9  | 98.9  | 98.9  | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 500                | 1 | 94.3                        | 97.6 | 98.8 | 99.3 | 99.6 | 99.6 | 99.6  | 99.6  | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 400                | 1 | 94.3                        | 97.6 | 98.9 | 99.4 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300                | 1 | 94.3                        | 97.6 | 98.9 | 99.6 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200                | 1 | 94.3                        | 97.6 | 98.9 | 99.6 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 100                | 1 | 94.3                        | 97.6 | 98.9 | 99.6 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 0                  | 1 | 94.3                        | 97.6 | 98.9 | 99.6 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1800-2000

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL  | 70.0 | 70.6                        | 70.7 | 70.7 | 70.7 | 70.7 | 70.7     | 70.7 | 70.7     | 70.7     | 70.7 | 70.7   | 70.7   | 70.7   | 70.7    | 70.7   |
| GE 20000 | 77.9 | 76.8                        | 76.9 | 76.9 | 76.9 | 76.9 | 76.9     | 76.9 | 76.9     | 76.9     | 76.9 | 76.9   | 76.9   | 76.9   | 76.9    | 76.9   |
| GE 16000 | 78.6 | 75.4                        | 79.6 | 79.6 | 79.6 | 79.6 | 79.6     | 79.6 | 79.6     | 79.6     | 79.6 | 79.6   | 79.6   | 79.6   | 79.6    | 79.6   |
| GE 16000 | 78.6 | 75.4                        | 79.6 | 79.6 | 79.6 | 79.6 | 79.6     | 79.6 | 79.6     | 79.6     | 79.6 | 79.6   | 79.6   | 79.6   | 79.6    | 79.6   |
| GE 14000 | 79.7 | 80.6                        | 80.7 | 80.7 | 80.7 | 80.7 | 80.7     | 80.7 | 80.7     | 80.7     | 80.7 | 80.7   | 80.7   | 80.7   | 80.7    | 80.7   |
| GE 12000 | 81.5 | 82.7                        | 82.8 | 82.8 | 82.8 | 82.8 | 82.8     | 82.8 | 82.8     | 82.8     | 82.8 | 82.8   | 82.8   | 82.8   | 82.8    | 82.8   |
| GE 10000 | 84.6 | 85.6                        | 85.7 | 85.7 | 85.7 | 85.7 | 85.7     | 85.7 | 85.7     | 85.7     | 85.7 | 85.7   | 85.7   | 85.7   | 85.7    | 85.7   |
| GE 9000  | 84.6 | 85.6                        | 85.7 | 85.7 | 85.7 | 85.7 | 85.7     | 85.7 | 85.7     | 85.7     | 85.7 | 85.7   | 85.7   | 85.7   | 85.7    | 85.7   |
| GE 8000  | 86.8 | 87.9                        | 88.0 | 88.0 | 88.0 | 88.0 | 88.0     | 88.0 | 88.0     | 88.0     | 88.0 | 88.0   | 88.0   | 88.0   | 88.0    | 88.0   |
| GE 7000  | 88.0 | 89.1                        | 89.2 | 89.2 | 89.2 | 89.2 | 89.2     | 89.2 | 89.2     | 89.2     | 89.2 | 89.2   | 89.2   | 89.2   | 89.2    | 89.2   |
| GE 6000  | 89.7 | 90.0                        | 90.2 | 90.2 | 90.2 | 90.2 | 90.2     | 90.2 | 90.2     | 90.2     | 90.2 | 90.2   | 90.2   | 90.2   | 90.2    | 90.2   |
| GE 5000  | 89.8 | 91.4                        | 91.7 | 91.7 | 91.7 | 91.7 | 91.7     | 91.7 | 91.7     | 91.7     | 91.7 | 91.7   | 91.7   | 91.7   | 91.7    | 91.7   |
| GE 4500  | 90.1 | 91.8                        | 92.0 | 92.0 | 92.0 | 92.0 | 92.0     | 92.0 | 92.1     | 92.1     | 92.1 | 92.1   | 92.1   | 92.1   | 92.1    | 92.1   |
| GE 4000  | 91.0 | 92.9                        | 93.4 | 93.4 | 93.4 | 93.4 | 93.4     | 93.4 | 93.6     | 93.6     | 93.6 | 93.6   | 93.6   | 93.6   | 93.6    | 93.6   |
| GE 3500  | 91.2 | 93.1                        | 93.7 | 93.7 | 93.7 | 93.7 | 93.7     | 93.7 | 93.8     | 93.8     | 93.8 | 93.8   | 93.8   | 93.8   | 93.8    | 93.8   |
| GE 3000  | 91.3 | 93.2                        | 94.2 | 94.2 | 94.2 | 94.2 | 94.2     | 94.2 | 94.3     | 94.3     | 94.3 | 94.3   | 94.3   | 94.3   | 94.3    | 94.3   |
| GE 2500  | 91.8 | 93.9                        | 94.9 | 94.9 | 94.9 | 94.9 | 94.9     | 95.0 | 95.1     | 95.1     | 95.1 | 95.1   | 95.1   | 95.1   | 95.1    | 95.1   |
| GE 2000  | 92.6 | 94.7                        | 96.0 | 96.0 | 96.1 | 96.1 | 96.1     | 96.2 | 96.3     | 96.3     | 96.3 | 96.3   | 96.3   | 96.3   | 96.3    | 96.3   |
| GE 1800  | 92.6 | 94.8                        | 96.2 | 96.2 | 96.3 | 96.3 | 96.3     | 96.4 | 96.6     | 96.6     | 96.6 | 96.6   | 96.6   | 96.6   | 96.6    | 96.6   |
| GE 1500  | 92.6 | 94.9                        | 96.6 | 96.6 | 96.7 | 96.7 | 96.7     | 96.8 | 96.9     | 96.9     | 96.9 | 96.9   | 96.9   | 96.9   | 96.9    | 96.9   |
| GE 1000  | 92.1 | 95.8                        | 97.4 | 97.4 | 97.6 | 97.6 | 97.7     | 97.8 | 97.8     | 97.8     | 97.8 | 97.8   | 97.8   | 97.8   | 97.8    | 97.8   |
| GE 1000  | 93.7 | 96.6                        | 98.2 | 98.2 | 98.3 | 98.3 | 98.4     | 98.6 | 98.6     | 98.6     | 98.6 | 98.6   | 98.6   | 98.6   | 98.6    | 98.6   |
| GE 900   | 93.7 | 96.6                        | 98.3 | 98.3 | 98.4 | 98.4 | 98.4     | 98.6 | 98.7     | 98.7     | 98.7 | 98.7   | 98.7   | 98.7   | 98.7    | 98.7   |
| GE 800   | 93.8 | 96.7                        | 98.4 | 98.4 | 98.7 | 98.7 | 98.7     | 98.8 | 98.9     | 98.9     | 98.9 | 98.9   | 98.9   | 98.9   | 98.9    | 98.9   |
| GE 700   | 93.8 | 96.7                        | 98.4 | 98.4 | 98.7 | 98.7 | 98.8     | 98.8 | 98.9     | 98.9     | 98.9 | 98.9   | 98.9   | 98.9   | 98.9    | 98.9   |
| GE 600   | 93.8 | 96.7                        | 98.4 | 98.4 | 98.7 | 98.7 | 98.8     | 98.8 | 98.9     | 98.9     | 98.9 | 98.9   | 98.9   | 98.9   | 98.9    | 98.9   |
| GE 500   | 94.0 | 97.0                        | 99.1 | 99.1 | 99.4 | 99.4 | 99.4     | 99.4 | 99.9     | 99.9     | 99.9 | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   |
| GE 400   | 94.0 | 97.0                        | 99.1 | 99.1 | 99.4 | 99.4 | 99.4     | 99.4 | 99.9     | 99.9     | 99.9 | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   |
| GE 300   | 94.0 | 97.0                        | 99.1 | 99.1 | 99.4 | 99.4 | 99.4     | 99.4 | 99.9     | 99.9     | 99.9 | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   |
| GE 200   | 94.0 | 97.0                        | 99.1 | 99.1 | 99.4 | 99.4 | 99.4     | 99.4 | 99.9     | 99.9     | 99.9 | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   |
| GE 100   | 94.0 | 97.0                        | 99.1 | 99.1 | 99.4 | 99.4 | 99.4     | 99.4 | 99.9     | 99.9     | 99.9 | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   |
| GE 0     | 94.0 | 97.0                        | 99.1 | 99.1 | 99.4 | 99.4 | 99.4     | 99.4 | 99.9     | 99.9     | 99.9 | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 2100-2300

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |
|----------|------|-----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN       | FEET | GE 1                        | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 | GE 16 | GE 17 |
| FEET     |      | 1                           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    |
| NO CEIL  | 1    | 74.1                        | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  |
| GE 20000 | 80.1 | 80.8                        | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  |
| GE 18000 | 80.2 | 80.9                        | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  |
| GE 16000 | 80.2 | 80.9                        | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  |
| GE 14000 | 81.2 | 81.9                        | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  |
| GE 12000 | 81.8 | 84.4                        | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  |
| GE 10000 | 85.9 | 86.7                        | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9  | 86.9  | 86.9  | 86.9  | 86.9  | 86.9  | 86.9  | 86.9  |
| GE 9000  | 86.2 | 87.0                        | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  |
| GE 8000  | 87.7 | 88.4                        | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  |
| GE 7000  | 88.2 | 89.1                        | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  |
| GE 6000  | 89.6 | 89.9                        | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  |
| GE 5000  | 91.2 | 91.9                        | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  |
| GE 4000  | 92.3 | 92.8                        | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  |
| GE 3000  | 92.8 | 92.8                        | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  |
| GE 2000  | 92.8 | 92.8                        | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  |
| GE 1500  | 93.0 | 93.6                        | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  |
| GE 1000  | 94.0 | 94.0                        | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| GE 800   | 94.0 | 94.0                        | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| GE 600   | 94.0 | 94.0                        | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| GE 400   | 94.0 | 94.0                        | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| GE 200   | 94.0 | 94.0                        | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| GE 100   | 94.0 | 94.0                        | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| GE 0     | 94.0 | 94.0                        | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-----------------------|-----------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>3 | GE<br>5 | GE<br>10 | GE<br>15 | GE<br>20 | GE<br>25 | GE<br>30 | GE<br>35 | GE<br>40 | GE<br>45 | GE<br>50 | GE<br>55 | GE<br>60 | GE<br>65 | GE<br>70 |
| NO CEIL               | 67.7                        | 68.7    | 68.8    | 68.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     | 69.9     |
| GE 20000              | 73.6                        | 74.8    | 74.9    | 75.1     | 75.1     | 75.1     | 75.1     | 75.1     | 75.1     | 75.1     | 75.1     | 75.1     | 75.1     | 75.1     | 75.1     | 75.1     |
| GE 17000              | 73.6                        | 75.1    | 75.2    | 75.3     | 75.3     | 75.3     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     |
| GE 16000              | 73.9                        | 75.1    | 75.2    | 75.3     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     | 75.4     |
| GE 14000              | 74.9                        | 76.2    | 76.3    | 76.4     | 76.5     | 76.5     | 76.5     | 76.5     | 76.5     | 76.5     | 76.5     | 76.5     | 76.5     | 76.5     | 76.5     | 76.5     |
| GE 12000              | 76.7                        | 78.1    | 78.2    | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     | 78.4     |
| GE 10000              | 79.3                        | 80.6    | 81.0    | 81.2     | 81.2     | 81.2     | 81.3     | 81.3     | 81.3     | 81.3     | 81.3     | 81.3     | 81.3     | 81.3     | 81.3     | 81.3     |
| GE 9000               | 79.5                        | 81.2    | 81.4    | 81.6     | 81.6     | 81.6     | 81.6     | 81.7     | 81.7     | 81.7     | 81.7     | 81.7     | 81.7     | 81.7     | 81.7     | 81.7     |
| GE 8000               | 81.6                        | 83.3    | 83.5    | 83.7     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     | 83.8     |
| GE 7000               | 82.3                        | 84.2    | 84.4    | 84.7     | 84.7     | 84.7     | 84.7     | 84.8     | 84.8     | 84.8     | 84.8     | 84.8     | 84.8     | 84.8     | 84.8     | 84.8     |
| GE 6000               | 82.9                        | 84.8    | 85.2    | 85.4     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     | 85.5     |
| GE 5000               | 84.3                        | 86.4    | 86.8    | 87.1     | 87.1     | 87.1     | 87.1     | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     |
| GE 4500               | 84.7                        | 86.9    | 87.3    | 87.5     | 87.6     | 87.6     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     | 87.7     |
| GE 4000               | 85.5                        | 87.6    | 88.4    | 88.7     | 88.7     | 88.7     | 88.7     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     | 88.8     |
| GE 3500               | 85.8                        | 88.3    | 88.6    | 89.1     | 89.2     | 89.2     | 89.2     | 89.2     | 89.2     | 89.2     | 89.2     | 89.2     | 89.2     | 89.2     | 89.2     | 89.2     |
| GE 3000               | 86.6                        | 89.2    | 89.9    | 90.2     | 90.3     | 90.3     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     | 90.4     |
| GE 2500               | 87.4                        | 90.2    | 91.0    | 91.3     | 91.4     | 91.4     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5     | 91.5     |
| GE 2000               | 88.3                        | 91.4    | 92.3    | 92.6     | 92.6     | 92.6     | 92.9     | 92.9     | 92.9     | 92.9     | 92.9     | 92.9     | 92.9     | 92.9     | 92.9     | 92.9     |
| GE 1800               | 88.5                        | 91.6    | 92.6    | 93.0     | 93.1     | 93.1     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     | 93.2     |
| GE 1500               | 88.9                        | 92.5    | 93.6    | 94.0     | 94.2     | 94.2     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     | 94.3     |
| GE 1200               | 89.3                        | 93.3    | 94.4    | 94.9     | 95.1     | 95.1     | 95.1     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     | 95.2     |
| GE 1000               | 89.7                        | 94.0    | 95.1    | 95.6     | 95.8     | 95.8     | 95.9     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     | 96.0     |
| GE 900                | 89.8                        | 94.3    | 95.5    | 96.2     | 96.4     | 96.4     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5     | 96.5     |
| GE 800                | 89.9                        | 94.6    | 95.9    | 96.6     | 96.8     | 96.8     | 96.9     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     | 97.0     |
| GE 700                | 89.9                        | 94.8    | 96.1    | 96.8     | 97.1     | 97.1     | 97.2     | 97.2     | 97.2     | 97.2     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     |
| GE 600                | 90.1                        | 95.2    | 96.6    | 97.5     | 97.8     | 97.8     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     | 98.0     |
| GE 500                | 90.2                        | 95.5    | 97.1    | 98.1     | 98.5     | 98.5     | 98.7     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     | 98.8     |
| GE 400                | 90.3                        | 95.6    | 97.2    | 98.4     | 98.8     | 98.8     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     | 99.2     |
| GE 300                | 90.3                        | 95.7    | 97.4    | 98.7     | 99.2     | 99.2     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     | 99.6     |
| GE 200                | 90.3                        | 95.7    | 97.4    | 98.7     | 99.3     | 99.3     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     |
| GE 100                | 90.3                        | 95.7    | 97.4    | 98.7     | 99.3     | 99.3     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     |
| GE 0                  | 90.3                        | 95.7    | 97.4    | 98.7     | 99.3     | 99.3     | 99.6     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 99.7     | 100.0    | 100.0    |

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 702665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-0200

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |      |      |      |
|----------|------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|
| IN FEET  | GE   | GE                          | GE   | GE   | GE   | GE   | GE    | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE   |
| 1        | 10   | 6                           | 5    | 4    | 3    | 2    | 1 1/2 | 1    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0    |
| NO CEIL  | 65.8 | 67.4                        | 67.5 | 67.8 | 67.8 | 67.8 | 67.8  | 67.8 | 67.8  | 67.8  | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 20000 | 72.5 | 72.2                        | 72.3 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6 | 72.6  | 72.6  | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 18000 | 72.5 | 72.2                        | 72.3 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6 | 72.6  | 72.6  | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 16000 | 72.5 | 72.2                        | 72.3 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6 | 72.6  | 72.6  | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 14000 | 72.5 | 72.6                        | 72.7 | 73.0 | 73.0 | 73.0 | 73.0  | 73.0 | 73.0  | 73.0  | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 12000 | 72.7 | 74.3                        | 74.4 | 74.7 | 74.7 | 74.7 | 74.7  | 74.7 | 74.7  | 74.7  | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 10000 | 74.8 | 76.6                        | 76.7 | 77.0 | 77.0 | 77.0 | 77.0  | 77.0 | 77.0  | 77.0  | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 9000  | 74.8 | 76.6                        | 76.7 | 77.0 | 77.0 | 77.0 | 77.0  | 77.0 | 77.0  | 77.0  | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 8000  | 76.0 | 77.7                        | 77.8 | 78.2 | 78.2 | 78.2 | 78.2  | 78.2 | 78.2  | 78.2  | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 7000  | 76.7 | 78.5                        | 78.6 | 78.9 | 78.9 | 78.9 | 78.9  | 78.9 | 78.9  | 78.9  | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 6000  | 77.0 | 78.8                        | 78.9 | 79.2 | 79.2 | 79.2 | 79.2  | 79.2 | 79.2  | 79.2  | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 5000  | 77.7 | 79.9                        | 80.0 | 80.3 | 80.3 | 80.3 | 80.3  | 80.3 | 80.3  | 80.3  | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 4500  | 79.1 | 81.4                        | 81.7 | 82.2 | 82.2 | 82.2 | 82.3  | 82.3 | 82.3  | 82.3  | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 4000  | 81.7 | 84.5                        | 84.9 | 85.4 | 85.4 | 85.4 | 85.5  | 85.5 | 85.5  | 85.5  | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 3500  | 82.9 | 85.7                        | 86.1 | 86.6 | 86.6 | 86.6 | 86.7  | 86.7 | 86.7  | 86.7  | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 3000  | 83.8 | 86.8                        | 87.3 | 87.8 | 88.2 | 88.2 | 88.3  | 88.3 | 88.3  | 88.3  | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 2500  | 84.7 | 88.2                        | 88.7 | 89.2 | 89.6 | 89.6 | 89.9  | 89.9 | 89.9  | 89.9  | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 2000  | 85.3 | 89.0                        | 89.6 | 90.1 | 90.6 | 90.6 | 90.9  | 90.8 | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 1800  | 85.6 | 89.4                        | 89.9 | 90.4 | 91.0 | 91.0 | 91.1  | 91.1 | 91.1  | 91.1  | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 1500  | 85.9 | 90.2                        | 90.8 | 91.4 | 91.9 | 91.9 | 92.0  | 92.0 | 92.0  | 92.0  | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 1200  | 86.9 | 91.9                        | 92.5 | 93.1 | 93.7 | 93.7 | 93.8  | 93.8 | 93.8  | 93.8  | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 1000  | 87.0 | 92.5                        | 93.3 | 94.0 | 94.5 | 94.5 | 94.6  | 94.6 | 94.6  | 94.6  | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 900   | 87.1 | 93.1                        | 94.0 | 94.6 | 95.2 | 95.2 | 95.3  | 95.3 | 95.3  | 95.3  | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 800   | 87.1 | 93.4                        | 94.7 | 95.4 | 95.9 | 95.9 | 96.0  | 96.0 | 96.0  | 96.0  | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 700   | 87.4 | 93.9                        | 95.2 | 95.9 | 96.5 | 96.5 | 96.6  | 96.6 | 96.6  | 96.6  | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 600   | 87.4 | 94.2                        | 95.6 | 96.3 | 96.9 | 96.9 | 97.2  | 97.2 | 97.2  | 97.2  | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 500   | 87.4 | 94.6                        | 96.0 | 96.9 | 97.6 | 97.6 | 98.0  | 98.1 | 98.1  | 98.1  | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 400   | 87.4 | 95.1                        | 96.5 | 97.6 | 98.6 | 98.6 | 99.1  | 99.2 | 99.2  | 99.2  | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 300   | 87.4 | 95.1                        | 96.5 | 97.6 | 98.6 | 98.6 | 99.2  | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 200   | 87.4 | 95.2                        | 96.6 | 97.7 | 98.8 | 98.8 | 99.5  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 100   | 87.4 | 95.2                        | 96.6 | 97.7 | 98.8 | 98.8 | 99.5  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 0     | 87.4 | 95.2                        | 96.6 | 97.7 | 98.8 | 98.8 | 99.5  | 99.6 | 99.6  | 99.6  | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURPLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0300-0500

| CEILING |       | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|---------|-------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| IN      | FEET  | GE                          | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE    |
|         |       | 1                           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17    |
| NO      | 1000  | 63.9                        | 65.4 | 65.7 | 65.9 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3  |
| GE      | 20000 | 68.6                        | 70.1 | 70.4 | 70.6 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  |
| GE      | 18000 | 68.6                        | 70.1 | 70.4 | 70.6 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  |
| GE      | 16000 | 68.6                        | 70.1 | 70.4 | 70.6 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  |
| GE      | 14000 | 68.6                        | 70.4 | 70.8 | 71.0 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4  |
| GE      | 12000 | 70.1                        | 71.6 | 71.9 | 72.2 | 72.5 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  |
| GE      | 10000 | 71.9                        | 73.5 | 73.9 | 74.1 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5  |
| GE      | 9000  | 71.9                        | 73.5 | 73.9 | 74.1 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5  |
| GE      | 8000  | 73.2                        | 74.6 | 75.2 | 75.4 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8  |
| GE      | 7000  | 73.9                        | 75.6 | 76.0 | 76.2 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7  |
| GE      | 6000  | 74.0                        | 75.7 | 76.1 | 76.3 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8  |
| GE      | 5000  | 74.5                        | 76.2 | 76.7 | 76.9 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3  |
| GE      | 4000  | 76.1                        | 78.1 | 78.5 | 78.7 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1  |
| GE      | 3000  | 79.1                        | 80.4 | 81.1 | 81.3 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7  |
| GE      | 2000  | 79.2                        | 81.7 | 82.4 | 82.6 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1  |
| GE      | 1000  | 80.2                        | 82.9 | 83.7 | 83.9 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4  |
| GE      | 2000  | 81.7                        | 84.8 | 85.6 | 85.8 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6  |
| GE      | 1800  | 82.6                        | 85.9 | 86.8 | 87.1 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8  |
| GE      | 1600  | 82.8                        | 86.3 | 87.2 | 87.5 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3  |
| GE      | 1400  | 83.0                        | 87.2 | 88.1 | 88.8 | 89.5 | 89.5 | 89.5 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7  |
| GE      | 1200  | 83.9                        | 88.1 | 89.0 | 89.9 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6  |
| GE      | 1000  | 84.8                        | 89.5 | 90.6 | 91.6 | 92.3 | 92.3 | 92.3 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6  |
| GE      | 900   | 85.2                        | 90.9 | 92.0 | 93.1 | 93.8 | 93.8 | 93.8 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  |
| GE      | 800   | 85.3                        | 91.2 | 92.5 | 93.9 | 94.5 | 94.5 | 94.5 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8  |
| GE      | 700   | 85.7                        | 91.9 | 93.2 | 94.6 | 95.3 | 95.3 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6  |
| GE      | 600   | 86.7                        | 92.2 | 93.4 | 94.8 | 95.5 | 95.5 | 95.5 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8  |
| GE      | 500   | 86.7                        | 92.6 | 93.9 | 95.4 | 96.0 | 96.1 | 96.1 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6  |
| GE      | 400   | 86.8                        | 92.9 | 94.2 | 96.2 | 97.2 | 97.3 | 97.3 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8  |
| GE      | 300   | 86.8                        | 93.1 | 94.5 | 97.0 | 98.3 | 98.5 | 98.5 | 99.0 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4  |
| GE      | 200   | 86.8                        | 93.1 | 94.5 | 97.0 | 98.4 | 98.6 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE      | 100   | 86.8                        | 93.1 | 94.5 | 97.0 | 98.4 | 98.6 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE      | 0     | 86.8                        | 93.1 | 94.5 | 97.0 | 98.4 | 98.6 | 98.6 | 99.2 | 99.4 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0600-0800

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |      |  |  |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|--|
| IN FEET  | 1    | GE 1                        | GE 6 | GE 5 | GE 4 | GE 3 | CF 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GF 0 |  |  |
| NO CEIL  | 59.4 |                             | 60.9 | 60.9 | 61.2 | 61.3 | 61.4     | 61.4 | 61.4     | 61.4     | 61.4 | 61.4   | 61.4   | 61.5   | 61.5    | 61.6   | 61.7 |  |  |
| GE 20000 | 61.9 |                             | 64.6 | 64.7 | 65.1 | 65.2 | 65.3     | 65.3 | 65.3     | 65.3     | 65.3 | 65.3   | 65.3   | 65.4   | 65.4    | 65.5   | 65.6 |  |  |
| GE 18000 | 62.2 |                             | 64.6 | 64.9 | 65.3 | 65.4 | 65.5     | 65.5 | 65.5     | 65.5     | 65.5 | 65.5   | 65.5   | 65.6   | 65.6    | 65.7   | 65.8 |  |  |
| GE 16000 | 62.2 |                             | 64.6 | 64.9 | 65.3 | 65.4 | 65.5     | 65.5 | 65.5     | 65.5     | 65.5 | 65.5   | 65.5   | 65.6   | 65.6    | 65.7   | 65.8 |  |  |
| GE 14000 | 62.6 |                             | 65.5 | 65.6 | 65.9 | 66.0 | 66.1     | 66.1 | 66.1     | 66.1     | 66.1 | 66.1   | 66.1   | 66.2   | 66.2    | 66.3   | 66.5 |  |  |
| GE 12000 | 64.7 |                             | 67.5 | 67.6 | 68.0 | 68.1 | 68.2     | 68.2 | 68.2     | 68.2     | 68.2 | 68.2   | 68.2   | 68.3   | 68.3    | 68.4   | 68.5 |  |  |
| GE 10000 | 66.6 |                             | 69.8 | 69.9 | 70.2 | 70.3 | 70.4     | 70.4 | 70.4     | 70.4     | 70.4 | 70.4   | 70.4   | 70.5   | 70.5    | 70.6   | 70.8 |  |  |
| GE 9000  | 66.6 |                             | 69.8 | 69.9 | 70.2 | 70.3 | 70.4     | 70.4 | 70.4     | 70.4     | 70.4 | 70.4   | 70.4   | 70.5   | 70.5    | 70.6   | 70.8 |  |  |
| GE 8000  | 67.0 |                             | 71.6 | 71.7 | 72.0 | 72.2 | 72.3     | 72.3 | 72.3     | 72.3     | 72.3 | 72.3   | 72.3   | 72.4   | 72.4    | 72.5   | 72.6 |  |  |
| GE 7000  | 68.2 |                             | 71.9 | 72.0 | 72.4 | 72.5 | 72.6     | 72.6 | 72.6     | 72.6     | 72.6 | 72.6   | 72.6   | 72.7   | 72.7    | 72.8   | 72.9 |  |  |
| GE 6000  | 68.9 |                             | 72.9 | 73.0 | 73.3 | 73.4 | 73.5     | 73.5 | 73.5     | 73.5     | 73.5 | 73.5   | 73.5   | 73.7   | 73.7    | 73.8   | 73.9 |  |  |
| GE 5000  | 69.9 |                             | 73.9 | 74.0 | 74.3 | 74.4 | 74.5     | 74.5 | 74.5     | 74.5     | 74.5 | 74.5   | 74.5   | 74.6   | 74.6    | 74.7   | 74.8 |  |  |
| GE 4500  | 71.4 |                             | 74.6 | 74.7 | 75.1 | 75.2 | 75.3     | 75.3 | 75.3     | 75.3     | 75.3 | 75.3   | 75.3   | 75.4   | 75.4    | 75.5   | 75.6 |  |  |
| GE 4000  | 72.0 |                             | 75.1 | 75.2 | 75.6 | 75.7 | 75.8     | 75.8 | 75.8     | 75.8     | 75.8 | 75.8   | 75.8   | 75.9   | 75.9    | 76.0   | 76.1 |  |  |
| GE 3500  | 73.1 |                             | 76.3 | 76.4 | 76.8 | 76.9 | 77.0     | 77.0 | 77.0     | 77.0     | 77.0 | 77.0   | 77.0   | 77.1   | 77.1    | 77.2   | 77.3 |  |  |
| GE 3000  | 75.1 |                             | 78.5 | 78.6 | 79.0 | 79.1 | 79.2     | 79.2 | 79.2     | 79.2     | 79.2 | 79.2   | 79.2   | 79.3   | 79.3    | 79.4   | 79.5 |  |  |
| GE 2500  | 76.1 |                             | 80.5 | 80.6 | 81.0 | 81.1 | 81.2     | 81.2 | 81.2     | 81.2     | 81.2 | 81.2   | 81.2   | 81.3   | 81.3    | 81.4   | 81.5 |  |  |
| GE 2000  | 77.5 |                             | 81.9 | 82.0 | 82.4 | 82.5 | 82.6     | 82.6 | 82.6     | 82.6     | 82.6 | 82.6   | 82.6   | 82.7   | 82.7    | 82.8   | 82.9 |  |  |
| GE 1800  | 78.3 |                             | 84.1 | 84.2 | 84.6 | 84.7 | 84.8     | 84.8 | 84.8     | 84.8     | 84.8 | 84.8   | 84.8   | 84.9   | 84.9    | 85.0   | 85.1 |  |  |
| GE 1600  | 78.5 |                             | 84.4 | 84.5 | 84.9 | 85.0 | 85.1     | 85.1 | 85.1     | 85.1     | 85.1 | 85.1   | 85.1   | 85.2   | 85.2    | 85.3   | 85.4 |  |  |
| GE 1400  | 79.9 |                             | 86.2 | 86.3 | 86.7 | 86.8 | 86.9     | 86.9 | 86.9     | 86.9     | 86.9 | 86.9   | 86.9   | 87.0   | 87.0    | 87.1   | 87.2 |  |  |
| GE 1200  | 80.6 |                             | 87.3 | 87.4 | 87.8 | 87.9 | 88.0     | 88.0 | 88.0     | 88.0     | 88.0 | 88.0   | 88.0   | 88.1   | 88.1    | 88.2   | 88.3 |  |  |
| GE 1000  | 81.3 |                             | 88.5 | 88.6 | 89.0 | 89.1 | 89.2     | 89.2 | 89.2     | 89.2     | 89.2 | 89.2   | 89.2   | 89.3   | 89.3    | 89.4   | 89.5 |  |  |
| GE 900   | 81.7 |                             | 89.7 | 89.8 | 90.1 | 90.2 | 90.3     | 90.3 | 90.3     | 90.3     | 90.3 | 90.3   | 90.3   | 90.4   | 90.4    | 90.5   | 90.6 |  |  |
| GE 800   | 82.3 |                             | 90.5 | 90.6 | 91.0 | 91.1 | 91.2     | 91.2 | 91.2     | 91.2     | 91.2 | 91.2   | 91.2   | 91.3   | 91.3    | 91.4   | 91.5 |  |  |
| GE 700   | 82.5 |                             | 91.5 | 91.6 | 92.0 | 92.1 | 92.2     | 92.2 | 92.2     | 92.2     | 92.2 | 92.2   | 92.2   | 92.3   | 92.3    | 92.4   | 92.5 |  |  |
| GE 600   | 82.5 |                             | 91.7 | 91.8 | 92.2 | 92.3 | 92.4     | 92.4 | 92.4     | 92.4     | 92.4 | 92.4   | 92.4   | 92.5   | 92.5    | 92.6   | 92.7 |  |  |
| GE 500   | 82.5 |                             | 92.0 | 92.1 | 92.5 | 92.6 | 92.7     | 92.7 | 92.7     | 92.7     | 92.7 | 92.7   | 92.7   | 92.8   | 92.8    | 92.9   | 93.0 |  |  |
| GE 400   | 82.5 |                             | 92.4 | 92.5 | 92.9 | 93.0 | 93.1     | 93.1 | 93.1     | 93.1     | 93.1 | 93.1   | 93.1   | 93.2   | 93.2    | 93.3   | 93.4 |  |  |
| GE 300   | 82.5 |                             | 92.4 | 92.5 | 92.9 | 93.0 | 93.1     | 93.1 | 93.1     | 93.1     | 93.1 | 93.1   | 93.1   | 93.2   | 93.2    | 93.3   | 93.4 |  |  |
| GE 200   | 82.5 |                             | 92.4 | 92.5 | 92.9 | 93.0 | 93.1     | 93.1 | 93.1     | 93.1     | 93.1 | 93.1   | 93.1   | 93.2   | 93.2    | 93.3   | 93.4 |  |  |
| GE 100   | 82.5 |                             | 92.4 | 92.5 | 92.9 | 93.0 | 93.1     | 93.1 | 93.1     | 93.1     | 93.1 | 93.1   | 93.1   | 93.2   | 93.2    | 93.3   | 93.4 |  |  |
| GE 0     | 82.5 |                             | 92.4 | 92.5 | 92.9 | 93.0 | 93.1     | 93.1 | 93.1     | 93.1     | 93.1 | 93.1   | 93.1   | 93.2   | 93.2    | 93.3   | 93.4 |  |  |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0900-1100

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 58.8 | 60.4                        | 60.5 | 60.6 | 60.6 | 60.6 | 60.6     | 60.6 | 60.6     | 60.6     | 60.6 | 60.6   | 60.6   | 60.6   | 60.6    | 60.6   | 60.6  |
| GE 20000 | 63.4 | 65.2                        | 65.3 | 65.5 | 65.5 | 65.5 | 65.5     | 65.5 | 65.5     | 65.5     | 65.5 | 65.5   | 65.5   | 65.6   | 65.6    | 65.6   | 65.6  |
| GE 18000 | 63.8 | 65.5                        | 65.6 | 65.8 | 65.8 | 65.8 | 65.8     | 65.8 | 65.8     | 65.8     | 65.8 | 65.8   | 65.8   | 65.9   | 65.9    | 65.9   | 65.9  |
| GE 16000 | 64.2 | 65.9                        | 66.0 | 66.2 | 66.2 | 66.2 | 66.2     | 66.2 | 66.2     | 66.2     | 66.2 | 66.2   | 66.2   | 66.3   | 66.3    | 66.3   | 66.3  |
| GE 14000 | 65.2 | 66.9                        | 67.0 | 67.2 | 67.2 | 67.2 | 67.2     | 67.2 | 67.2     | 67.2     | 67.2 | 67.2   | 67.2   | 67.3   | 67.3    | 67.3   | 67.3  |
| GE 12000 | 67.8 | 69.6                        | 69.7 | 69.9 | 69.9 | 69.9 | 69.9     | 69.9 | 69.9     | 69.9     | 69.9 | 69.9   | 69.9   | 70.0   | 70.0    | 70.0   | 70.0  |
| GE 10000 | 70.0 | 72.3                        | 72.4 | 72.6 | 72.6 | 72.6 | 72.6     | 72.6 | 72.6     | 72.6     | 72.6 | 72.6   | 72.6   | 72.7   | 72.7    | 72.7   | 72.7  |
| GE 9000  | 70.0 | 72.3                        | 72.4 | 72.6 | 72.6 | 72.6 | 72.6     | 72.6 | 72.6     | 72.6     | 72.6 | 72.6   | 72.6   | 72.7   | 72.7    | 72.7   | 72.7  |
| GE 8000  | 71.9 | 74.3                        | 74.4 | 74.6 | 74.6 | 74.6 | 74.6     | 74.6 | 74.6     | 74.6     | 74.6 | 74.6   | 74.6   | 74.7   | 74.7    | 74.7   | 74.7  |
| GE 7000  | 72.4 | 74.8                        | 74.9 | 75.2 | 75.2 | 75.2 | 75.2     | 75.2 | 75.2     | 75.2     | 75.2 | 75.2   | 75.2   | 75.3   | 75.3    | 75.3   | 75.3  |
| GE 6000  | 73.1 | 75.6                        | 75.7 | 75.9 | 75.9 | 75.9 | 75.9     | 75.9 | 75.9     | 75.9     | 75.9 | 75.9   | 75.9   | 76.0   | 76.0    | 76.0   | 76.0  |
| GE 5000  | 74.4 | 77.0                        | 77.1 | 77.3 | 77.5 | 77.5 | 77.5     | 77.5 | 77.5     | 77.5     | 77.5 | 77.5   | 77.5   | 77.6   | 77.6    | 77.6   | 77.6  |
| GE 4500  | 74.7 | 77.4                        | 77.5 | 77.7 | 78.0 | 78.0 | 78.0     | 78.0 | 78.0     | 78.0     | 78.0 | 78.0   | 78.0   | 78.1   | 78.1    | 78.1   | 78.1  |
| GE 4000  | 76.8 | 79.9                        | 80.0 | 80.2 | 80.4 | 80.4 | 80.4     | 80.4 | 80.4     | 80.4     | 80.4 | 80.4   | 80.4   | 80.5   | 80.5    | 80.5   | 80.5  |
| GE 3500  | 77.4 | 80.8                        | 80.9 | 81.1 | 81.3 | 81.3 | 81.3     | 81.3 | 81.3     | 81.3     | 81.3 | 81.3   | 81.3   | 81.4   | 81.4    | 81.4   | 81.4  |
| GE 3000  | 78.5 | 82.4                        | 82.5 | 82.7 | 82.9 | 82.9 | 82.9     | 82.9 | 82.9     | 82.9     | 82.9 | 82.9   | 82.9   | 83.0   | 83.0    | 83.0   | 83.0  |
| GE 2500  | 79.5 | 83.4                        | 83.7 | 83.9 | 84.1 | 84.1 | 84.1     | 84.1 | 84.1     | 84.1     | 84.1 | 84.1   | 84.1   | 84.2   | 84.2    | 84.2   | 84.2  |
| GE 2000  | 80.9 | 85.3                        | 85.5 | 85.7 | 85.9 | 85.9 | 85.9     | 85.9 | 85.9     | 85.9     | 85.9 | 85.9   | 85.9   | 86.0   | 86.0    | 86.0   | 86.0  |
| GE 1800  | 81.5 | 86.0                        | 86.2 | 86.5 | 86.7 | 86.7 | 86.7     | 86.7 | 86.7     | 86.7     | 86.7 | 86.7   | 86.7   | 86.8   | 86.8    | 86.8   | 86.8  |
| GE 1500  | 82.7 | 88.0                        | 88.2 | 88.4 | 88.6 | 88.6 | 88.6     | 88.6 | 88.6     | 88.6     | 88.6 | 88.6   | 88.6   | 88.7   | 88.7    | 88.7   | 88.7  |
| GE 1200  | 84.0 | 90.3                        | 90.8 | 91.0 | 91.2 | 91.2 | 91.2     | 91.2 | 91.2     | 91.2     | 91.2 | 91.2   | 91.2   | 91.3   | 91.3    | 91.3   | 91.3  |
| GE 1000  | 84.5 | 91.7                        | 92.3 | 92.5 | 92.7 | 92.7 | 92.7     | 92.7 | 92.7     | 92.7     | 92.7 | 92.7   | 92.7   | 92.8   | 92.8    | 92.8   | 92.8  |
| GE 900   | 85.1 | 93.0                        | 93.7 | 93.9 | 94.2 | 94.2 | 94.2     | 94.2 | 94.2     | 94.2     | 94.2 | 94.2   | 94.2   | 94.3   | 94.3    | 94.3   | 94.3  |
| GE 800   | 85.3 | 94.1                        | 95.1 | 95.4 | 95.8 | 95.8 | 95.8     | 95.8 | 95.8     | 95.8     | 95.8 | 95.8   | 95.8   | 95.9   | 95.9    | 95.9   | 95.9  |
| GE 700   | 85.4 | 94.4                        | 95.7 | 96.2 | 96.7 | 96.7 | 96.7     | 96.7 | 96.7     | 96.7     | 96.7 | 96.7   | 96.7   | 96.8   | 96.8    | 96.8   | 96.8  |
| GE 600   | 85.7 | 94.9                        | 96.3 | 97.3 | 97.7 | 97.7 | 97.7     | 97.7 | 98.0     | 98.0     | 98.0 | 98.0   | 98.1   | 98.2   | 98.2    | 98.2   | 98.2  |
| GE 500   | 85.8 | 95.6                        | 97.3 | 98.3 | 98.7 | 98.7 | 98.7     | 98.7 | 98.9     | 98.9     | 98.9 | 98.9   | 99.0   | 99.1   | 99.1    | 99.1   | 99.1  |
| GE 400   | 85.8 | 95.9                        | 97.4 | 98.4 | 98.8 | 98.8 | 98.8     | 98.8 | 99.0     | 99.2     | 99.2 | 99.2   | 99.4   | 99.5   | 99.5    | 99.5   | 99.5  |
| GE 300   | 85.8 | 95.9                        | 97.4 | 98.6 | 99.0 | 99.0 | 99.0     | 99.0 | 99.5     | 99.7     | 99.7 | 99.7   | 99.8   | 99.8   | 99.9    | 99.9   | 99.9  |
| GE 200   | 85.8 | 95.9                        | 97.4 | 98.6 | 99.0 | 99.0 | 99.0     | 99.0 | 99.5     | 99.7     | 99.7 | 99.7   | 99.8   | 99.8   | 100.0   | 100.0  | 100.0 |
| GE 100   | 85.8 | 95.9                        | 97.4 | 98.6 | 99.0 | 99.0 | 99.0     | 99.0 | 99.5     | 99.7     | 99.7 | 99.7   | 99.8   | 99.8   | 100.0   | 100.0  | 100.0 |
| GE 0     | 85.8 | 95.9                        | 97.4 | 98.6 | 99.0 | 99.0 | 99.0     | 99.0 | 99.5     | 99.7     | 99.7 | 99.7   | 99.8   | 99.8   | 100.0   | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 1200-1400

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |         |             |             |         |           |           |           |            |           |         |       |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|-------|
|                       | GE<br>1                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>5/16 | GE<br>1/4 | GE<br>0 |       |
| NO CEIL               | 61.8                        | 62.8    | 62.8    | 62.8    | 62.8    | 62.8    | 62.8        | 62.8        | 62.8    | 62.8      | 62.8      | 62.8      | 62.8       | 62.8      | 62.8    | 62.8  |
| GE 20000              | 68.5                        | 69.8    | 69.8    | 69.8    | 69.8    | 69.8    | 69.8        | 69.8        | 69.8    | 69.8      | 69.8      | 69.8      | 69.8       | 69.8      | 69.8    | 69.8  |
| GE 18000              | 68.9                        | 70.2    | 70.2    | 70.2    | 70.2    | 70.2    | 70.2        | 70.2        | 70.2    | 70.2      | 70.2      | 70.2      | 70.2       | 70.2      | 70.2    | 70.2  |
| GE 16000              | 69.1                        | 70.4    | 70.4    | 70.4    | 70.4    | 70.4    | 70.4        | 70.4        | 70.4    | 70.4      | 70.4      | 70.4      | 70.4       | 70.4      | 70.4    | 70.4  |
| GE 14000              | 70.8                        | 72.0    | 72.0    | 72.0    | 72.0    | 72.0    | 72.0        | 72.0        | 72.0    | 72.0      | 72.0      | 72.0      | 72.0       | 72.0      | 72.0    | 72.0  |
| GE 12000              | 71.9                        | 73.2    | 73.2    | 73.2    | 73.2    | 73.2    | 73.2        | 73.2        | 73.2    | 73.2      | 73.2      | 73.2      | 73.2       | 73.2      | 73.2    | 73.2  |
| GE 10000              | 73.5                        | 75.2    | 75.2    | 75.2    | 75.2    | 75.2    | 75.2        | 75.2        | 75.2    | 75.2      | 75.2      | 75.2      | 75.2       | 75.2      | 75.2    | 75.2  |
| GE 9000               | 73.9                        | 75.5    | 75.5    | 75.5    | 75.5    | 75.5    | 75.5        | 75.5        | 75.5    | 75.5      | 75.5      | 75.5      | 75.5       | 75.5      | 75.5    | 75.5  |
| GE 8000               | 75.5                        | 77.3    | 77.3    | 77.3    | 77.3    | 77.3    | 77.3        | 77.3        | 77.3    | 77.3      | 77.3      | 77.3      | 77.3       | 77.3      | 77.3    | 77.3  |
| GE 7000               | 76.0                        | 78.2    | 78.2    | 78.2    | 78.2    | 78.2    | 78.2        | 78.2        | 78.2    | 78.2      | 78.2      | 78.2      | 78.2       | 78.2      | 78.2    | 78.2  |
| GE 6000               | 76.2                        | 78.5    | 78.6    | 78.6    | 78.6    | 78.6    | 78.6        | 78.6        | 78.6    | 78.6      | 78.6      | 78.6      | 78.6       | 78.6      | 78.6    | 78.6  |
| GE 5000               | 77.6                        | 80.2    | 80.3    | 80.3    | 80.4    | 80.4    | 80.4        | 80.4        | 80.4    | 80.4      | 80.4      | 80.4      | 80.4       | 80.4      | 80.4    | 80.4  |
| GE 4500               | 78.3                        | 80.9    | 81.0    | 81.0    | 81.1    | 81.1    | 81.1        | 81.1        | 81.1    | 81.1      | 81.1      | 81.1      | 81.1       | 81.1      | 81.1    | 81.1  |
| GE 4000               | 80.2                        | 83.3    | 83.5    | 83.7    | 83.8    | 83.8    | 83.8        | 83.8        | 83.8    | 83.8      | 83.8      | 83.8      | 83.8       | 83.8      | 83.8    | 83.8  |
| GE 3500               | 81.1                        | 84.3    | 84.5    | 84.6    | 84.7    | 84.7    | 84.7        | 84.7        | 84.7    | 84.7      | 84.7      | 84.7      | 84.7       | 84.7      | 84.7    | 84.7  |
| GE 3000               | 83.4                        | 87.4    | 87.6    | 87.7    | 87.8    | 87.8    | 87.8        | 87.8        | 87.8    | 87.8      | 87.8      | 87.8      | 87.8       | 87.8      | 87.8    | 87.8  |
| GE 2500               | 85.3                        | 89.4    | 89.6    | 89.7    | 89.8    | 89.8    | 89.8        | 89.8        | 89.8    | 89.8      | 89.8      | 89.8      | 89.8       | 89.8      | 89.8    | 89.8  |
| GE 2000               | 87.2                        | 91.4    | 91.6    | 91.7    | 91.8    | 91.8    | 91.8        | 91.8        | 91.8    | 91.8      | 91.8      | 91.8      | 91.8       | 91.8      | 91.8    | 91.8  |
| GE 1800               | 87.4                        | 91.6    | 91.8    | 91.9    | 92.0    | 92.0    | 92.0        | 92.0        | 92.0    | 92.0      | 92.0      | 92.0      | 92.0       | 92.0      | 92.0    | 92.0  |
| GE 1500               | 89.7                        | 92.6    | 92.9    | 93.0    | 93.1    | 93.1    | 93.1        | 93.1        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1       | 93.1      | 93.1    | 93.1  |
| GE 1200               | 89.5                        | 94.1    | 94.4    | 94.5    | 94.6    | 94.6    | 94.6        | 94.6        | 94.6    | 94.6      | 94.6      | 94.6      | 94.6       | 94.6      | 94.6    | 94.6  |
| GE 1000               | 90.3                        | 95.9    | 96.2    | 96.3    | 96.5    | 96.5    | 96.5        | 96.5        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5       | 96.5      | 96.5    | 96.5  |
| GE 900                | 90.4                        | 96.8    | 97.1    | 97.3    | 97.4    | 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4       | 97.4      | 97.4    | 97.4  |
| GE 800                | 90.5                        | 97.0    | 97.4    | 97.6    | 97.7    | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.7      | 97.7       | 97.7      | 97.7    | 97.7  |
| GE 700                | 90.6                        | 97.2    | 97.6    | 97.8    | 98.2    | 98.2    | 98.2        | 98.2        | 98.2    | 98.2      | 98.2      | 98.2      | 98.2       | 98.2      | 98.2    | 98.2  |
| GE 600                | 91.1                        | 97.6    | 98.3    | 98.5    | 98.8    | 98.8    | 98.8        | 98.8        | 98.8    | 98.8      | 98.8      | 98.8      | 98.8       | 98.8      | 98.8    | 98.8  |
| GE 500                | 91.1                        | 98.0    | 98.4    | 99.1    | 99.6    | 99.6    | 99.6        | 99.6        | 99.6    | 99.6      | 99.6      | 99.6      | 99.6       | 99.6      | 99.6    | 99.6  |
| GE 400                | 91.2                        | 98.2    | 98.6    | 99.5    | 99.9    | 99.9    | 99.9        | 99.9        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9       | 99.9      | 99.9    | 99.9  |
| GE 300                | 91.3                        | 98.3    | 98.7    | 99.6    | 100.0   | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   | 100.0 |
| GE 200                | 91.3                        | 98.3    | 98.7    | 99.6    | 100.0   | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   | 100.0 |
| GE 100                | 91.3                        | 98.3    | 98.7    | 99.6    | 100.0   | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   | 100.0 |
| GE 0                  | 91.3                        | 98.3    | 98.7    | 99.6    | 100.0   | 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0      | 100.0     | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 1500-1700

| CEILING |         | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |
|---------|---------|-----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN      | FEET    | GE 1                        | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 | GE 16 | GE 17 |
| NO      | CEILING | 64.9                        | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9  | 65.9  | 65.9  | 65.9  | 65.9  | 65.9  | 65.9  | 65.9  |
| GE      | 20000   | 72.9                        | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  |
| GE      | 18000   | 73.4                        | 74.6 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  |
| GE      | 16000   | 73.4                        | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  | 74.9  |
| GE      | 14000   | 74.4                        | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  |
| GE      | 12000   | 75.9                        | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  |
| GE      | 10000   | 77.7                        | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  |
| GE      | 9000    | 78.0                        | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  |
| GE      | 8000    | 80.9                        | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  |
| GE      | 7000    | 81.0                        | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  |
| GE      | 6000    | 81.2                        | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5  | 83.5  | 83.5  | 83.5  | 83.5  | 83.5  | 83.5  | 83.5  |
| GE      | 5000    | 82.2                        | 84.4 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6  | 84.6  | 84.6  | 84.6  | 84.6  | 84.6  | 84.6  | 84.6  |
| GE      | 4500    | 83.2                        | 85.5 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  |
| GE      | 4000    | 85.5                        | 87.6 | 88.1 | 88.2 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  | 88.4  |
| GE      | 3500    | 86.9                        | 89.4 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  |
| GE      | 3000    | 87.6                        | 90.2 | 90.4 | 90.5 | 90.6 | 90.6 | 90.6 | 90.8 | 90.8 | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  |
| GE      | 2500    | 88.7                        | 91.7 | 91.9 | 92.0 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3  | 92.3  | 92.3  | 92.3  | 92.3  | 92.3  | 92.3  | 92.3  |
| GE      | 2000    | 89.7                        | 92.8 | 93.0 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  |
| GE      | 1800    | 90.1                        | 93.3 | 93.5 | 93.7 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  | 93.9  |
| GE      | 1500    | 90.8                        | 94.2 | 94.4 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  |
| GE      | 1200    | 91.5                        | 95.7 | 95.9 | 96.0 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  |
| GE      | 1000    | 91.9                        | 96.2 | 96.5 | 96.6 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9  | 96.9  | 96.9  | 96.9  | 96.9  | 96.9  | 96.9  | 96.9  |
| GE      | 900     | 92.3                        | 97.2 | 97.4 | 97.6 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| GE      | 800     | 92.3                        | 97.3 | 97.5 | 97.7 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |
| GE      | 700     | 92.4                        | 97.8 | 98.1 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| GE      | 600     | 92.4                        | 98.3 | 98.5 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| GE      | 500     | 92.4                        | 98.4 | 98.6 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| GE      | 400     | 92.4                        | 98.4 | 98.6 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| GE      | 300     | 92.4                        | 98.4 | 98.6 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| GE      | 200     | 92.4                        | 98.4 | 98.6 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| GE      | 100     | 92.4                        | 98.4 | 98.6 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| GE      | 0       | 92.6                        | 98.6 | 98.8 | 99.2 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1800-2000

| CEILING  |   | VISIBILITY IN STATUTE MILES |      |      |      |      |      |          |       |          |          |       |        |        |        |         |        |       |
|----------|---|-----------------------------|------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN FEET  | 1 | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 2  | GE 1 1/2 | GE 1 1/4 | GE 1  | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 1 | 69.6                        | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4     | 70.4  | 70.4     | 70.4     | 70.4  | 70.4   | 70.4   | 70.4   | 70.4    | 70.4   | 70.4  |
| GE 20000 | 1 | 75.2                        | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1     | 76.1  | 76.1     | 76.1     | 76.1  | 76.1   | 76.1   | 76.1   | 76.1    | 76.1   | 76.1  |
| GE 18000 | 1 | 75.5                        | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5     | 76.5  | 76.5     | 76.5     | 76.5  | 76.5   | 76.5   | 76.5   | 76.5    | 76.5   | 76.5  |
| GE 16000 | 1 | 75.5                        | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5     | 76.5  | 76.5     | 76.5     | 76.5  | 76.5   | 76.5   | 76.5   | 76.5    | 76.5   | 76.5  |
| GE 14000 | 1 | 76.0                        | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0     | 77.0  | 77.0     | 77.0     | 77.0  | 77.0   | 77.0   | 77.0   | 77.0    | 77.0   | 77.0  |
| GE 12000 | 1 | 78.0                        | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9     | 78.9  | 78.9     | 78.9     | 78.9  | 78.9   | 78.9   | 78.9   | 78.9    | 78.9   | 78.9  |
| GE 10000 | 1 | 79.6                        | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9     | 80.9  | 80.9     | 80.9     | 80.9  | 80.9   | 80.9   | 80.9   | 80.9    | 80.9   | 80.9  |
| GE 9000  | 1 | 80.3                        | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6     | 81.6  | 81.6     | 81.6     | 81.6  | 81.6   | 81.6   | 81.6   | 81.6    | 81.6   | 81.6  |
| GE 8000  | 1 | 81.9                        | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4     | 83.4  | 83.4     | 83.4     | 83.4  | 83.4   | 83.4   | 83.4   | 83.4    | 83.4   | 83.4  |
| GE 7000  | 1 | 82.2                        | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7     | 83.7  | 83.7     | 83.7     | 83.7  | 83.7   | 83.7   | 83.7   | 83.7    | 83.7   | 83.7  |
| GE 6000  | 1 | 82.0                        | 82.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7     | 83.7  | 83.7     | 83.7     | 83.7  | 83.7   | 83.7   | 83.7   | 83.7    | 83.7   | 83.7  |
| GE 5000  | 1 | 83.7                        | 85.2 | 85.3 | 85.4 | 85.6 | 85.6 | 85.6     | 85.6  | 85.6     | 85.6     | 85.6  | 85.6   | 85.6   | 85.6   | 85.6    | 85.6   | 85.6  |
| GE 4500  | 1 | 84.4                        | 86.2 | 86.3 | 86.5 | 86.7 | 86.7 | 86.7     | 86.7  | 86.7     | 86.7     | 86.7  | 86.7   | 86.7   | 86.7   | 86.7    | 86.7   | 86.7  |
| GE 4000  | 1 | 86.2                        | 88.3 | 88.4 | 88.5 | 88.6 | 88.6 | 88.6     | 88.6  | 88.6     | 88.6     | 88.6  | 88.6   | 88.6   | 88.6   | 88.6    | 88.6   | 88.6  |
| GE 3500  | 1 | 86.9                        | 88.9 | 89.0 | 89.1 | 89.5 | 89.5 | 89.5     | 89.5  | 89.5     | 89.5     | 89.5  | 89.5   | 89.5   | 89.5   | 89.5    | 89.5   | 89.5  |
| GE 3000  | 1 | 87.6                        | 90.1 | 90.2 | 90.3 | 90.6 | 90.6 | 90.6     | 90.6  | 90.6     | 90.6     | 90.6  | 90.6   | 90.6   | 90.6   | 90.6    | 90.6   | 90.6  |
| GE 2500  | 1 | 88.9                        | 91.4 | 91.5 | 91.6 | 91.9 | 91.9 | 91.9     | 91.9  | 91.9     | 91.9     | 91.9  | 91.9   | 91.9   | 91.9   | 91.9    | 91.9   | 91.9  |
| GE 2000  | 1 | 90.3                        | 93.1 | 93.2 | 93.3 | 93.7 | 93.7 | 93.8     | 93.8  | 93.8     | 93.8     | 93.8  | 93.8   | 93.8   | 93.8   | 93.8    | 93.8   | 93.8  |
| GE 1800  | 1 | 90.4                        | 93.2 | 93.3 | 93.4 | 93.8 | 93.8 | 93.8     | 93.9  | 93.9     | 93.9     | 93.9  | 93.9   | 93.9   | 93.9   | 93.9    | 93.9   | 93.9  |
| GE 1500  | 1 | 91.2                        | 94.4 | 94.7 | 94.6 | 95.4 | 95.4 | 95.5     | 95.5  | 95.5     | 95.5     | 95.5  | 95.5   | 95.5   | 95.5   | 95.5    | 95.5   | 95.5  |
| GE 1200  | 1 | 91.7                        | 95.5 | 95.6 | 95.9 | 96.5 | 96.5 | 96.6     | 96.6  | 96.6     | 96.6     | 96.6  | 96.6   | 96.6   | 96.6   | 96.6    | 96.6   | 96.6  |
| GE 1000  | 1 | 91.7                        | 96.1 | 96.5 | 96.6 | 97.1 | 97.1 | 97.2     | 97.2  | 97.2     | 97.2     | 97.2  | 97.2   | 97.2   | 97.2   | 97.2    | 97.2   | 97.2  |
| GE 900   | 1 | 92.0                        | 96.8 | 97.3 | 97.4 | 98.0 | 98.0 | 98.1     | 98.1  | 98.1     | 98.1     | 98.1  | 98.1   | 98.1   | 98.1   | 98.1    | 98.1   | 98.1  |
| GE 800   | 1 | 92.0                        | 97.0 | 97.5 | 97.8 | 98.4 | 98.4 | 98.5     | 98.5  | 98.5     | 98.5     | 98.5  | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5  |
| GE 700   | 1 | 92.0                        | 97.2 | 97.7 | 98.1 | 98.9 | 98.9 | 99.2     | 99.2  | 99.2     | 99.2     | 99.2  | 99.2   | 99.2   | 99.2   | 99.2    | 99.2   | 99.2  |
| GE 600   | 1 | 92.0                        | 97.4 | 98.1 | 98.4 | 99.2 | 99.2 | 99.7     | 99.7  | 99.7     | 99.7     | 99.7  | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7  |
| GE 500   | 1 | 92.0                        | 97.7 | 98.4 | 98.7 | 99.6 | 99.6 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 400   | 1 | 92.0                        | 97.7 | 98.4 | 98.7 | 99.6 | 99.6 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 300   | 1 | 92.0                        | 97.7 | 98.4 | 98.7 | 99.6 | 99.6 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 200   | 1 | 92.0                        | 97.7 | 98.4 | 98.7 | 99.6 | 99.6 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 100   | 1 | 92.0                        | 97.7 | 98.4 | 98.7 | 99.6 | 99.6 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 0     | 1 | 92.0                        | 97.7 | 98.4 | 98.7 | 99.6 | 99.6 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 2100-2300

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |       |          |          |       |        |        |        |         |        |       |
|----------|------|-----------------------------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2  | GE 1 1/2 | GE 1 1/4 | GE 1  | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 67.5 | 70.4                        | 70.6 | 70.8 | 70.6 | 70.6 | 70.8     | 70.8  | 70.8     | 70.8     | 70.8  | 70.8   | 70.8   | 70.8   | 70.8    | 70.8   | 70.8  |
| GE 20000 | 74.3 | 75.3                        | 75.5 | 75.6 | 75.6 | 75.6 | 75.6     | 75.6  | 75.6     | 75.6     | 75.6  | 75.6   | 75.6   | 75.6   | 75.6    | 75.6   | 75.6  |
| GE 18000 | 74.5 | 75.5                        | 75.7 | 75.8 | 75.8 | 75.8 | 75.8     | 75.8  | 75.8     | 75.8     | 75.8  | 75.8   | 75.8   | 75.8   | 75.8    | 75.8   | 75.8  |
| GE 16000 | 74.5 | 75.5                        | 75.7 | 75.8 | 75.8 | 75.8 | 75.8     | 75.8  | 75.8     | 75.8     | 75.8  | 75.8   | 75.8   | 75.8   | 75.8    | 75.8   | 75.8  |
| GE 14000 | 74.9 | 75.9                        | 76.1 | 76.2 | 76.2 | 76.2 | 76.2     | 76.2  | 76.2     | 76.2     | 76.2  | 76.2   | 76.2   | 76.2   | 76.2    | 76.2   | 76.2  |
| GE 12000 | 76.7 | 77.6                        | 77.8 | 78.0 | 78.0 | 78.0 | 78.0     | 78.0  | 78.0     | 78.0     | 78.0  | 78.0   | 78.0   | 78.0   | 78.0    | 78.0   | 78.0  |
| GE 10000 | 79.6 | 79.9                        | 80.1 | 80.2 | 80.2 | 80.2 | 80.2     | 80.2  | 80.2     | 80.2     | 80.2  | 80.2   | 80.2   | 80.2   | 80.2    | 80.2   | 80.2  |
| GE 9000  | 79.2 | 80.5                        | 80.8 | 80.9 | 80.9 | 80.9 | 80.9     | 80.9  | 80.9     | 80.9     | 80.9  | 80.9   | 80.9   | 80.9   | 80.9    | 80.9   | 80.9  |
| GE 8000  | 80.3 | 81.7                        | 81.9 | 82.0 | 82.0 | 82.0 | 82.0     | 82.0  | 82.0     | 82.0     | 82.0  | 82.0   | 82.0   | 82.0   | 82.0    | 82.0   | 82.0  |
| GE 7000  | 80.9 | 82.3                        | 82.5 | 82.6 | 82.6 | 82.6 | 82.6     | 82.6  | 82.6     | 82.6     | 82.6  | 82.6   | 82.6   | 82.6   | 82.6    | 82.6   | 82.6  |
| GE 6000  | 81.0 | 82.5                        | 82.7 | 82.8 | 82.8 | 82.8 | 82.8     | 82.8  | 82.8     | 82.8     | 82.8  | 82.8   | 82.8   | 82.8   | 82.8    | 82.8   | 82.8  |
| GE 5000  | 82.8 | 84.4                        | 84.6 | 84.7 | 84.8 | 84.8 | 84.8     | 84.8  | 84.8     | 84.8     | 84.8  | 84.8   | 84.8   | 84.8   | 84.8    | 84.8   | 84.8  |
| GE 4000  | 83.9 | 85.8                        | 86.1 | 86.2 | 86.3 | 86.3 | 86.3     | 86.3  | 86.3     | 86.3     | 86.3  | 86.3   | 86.3   | 86.3   | 86.3    | 86.3   | 86.3  |
| GE 4000  | 85.9 | 88.5                        | 88.8 | 89.0 | 89.1 | 89.1 | 89.1     | 89.1  | 89.1     | 89.1     | 89.1  | 89.1   | 89.1   | 89.1   | 89.1    | 89.1   | 89.1  |
| GE 3000  | 87.4 | 90.1                        | 90.4 | 90.6 | 90.6 | 90.6 | 90.6     | 90.6  | 90.6     | 90.6     | 90.6  | 90.6   | 90.6   | 90.6   | 90.6    | 90.6   | 90.6  |
| GE 3000  | 89.1 | 90.9                        | 91.3 | 91.5 | 91.6 | 91.6 | 91.6     | 91.6  | 91.6     | 91.6     | 91.6  | 91.6   | 91.6   | 91.6   | 91.6    | 91.6   | 91.6  |
| GE 2000  | 89.1 | 92.3                        | 92.7 | 92.9 | 93.1 | 93.1 | 93.1     | 93.1  | 93.1     | 93.1     | 93.1  | 93.1   | 93.1   | 93.1   | 93.1    | 93.1   | 93.1  |
| GE 2000  | 89.4 | 92.3                        | 93.5 | 93.8 | 94.0 | 94.0 | 94.0     | 94.0  | 94.0     | 94.0     | 94.0  | 94.0   | 94.0   | 94.0   | 94.0    | 94.0   | 94.0  |
| GE 1800  | 89.4 | 93.0                        | 93.7 | 93.9 | 94.1 | 94.1 | 94.1     | 94.1  | 94.1     | 94.1     | 94.1  | 94.1   | 94.1   | 94.1   | 94.1    | 94.1   | 94.1  |
| GE 1500  | 90.4 | 94.4                        | 95.1 | 95.3 | 95.5 | 95.5 | 95.5     | 95.5  | 95.5     | 95.5     | 95.5  | 95.5   | 95.5   | 95.5   | 95.5    | 95.5   | 95.5  |
| GE 1200  | 90.4 | 94.6                        | 95.3 | 95.5 | 95.7 | 95.8 | 95.8     | 95.8  | 95.8     | 95.8     | 95.8  | 95.8   | 95.8   | 95.8   | 95.8    | 95.8   | 95.8  |
| GE 1000  | 90.4 | 94.6                        | 95.3 | 95.5 | 95.6 | 95.9 | 96.0     | 96.0  | 96.0     | 96.0     | 96.0  | 96.0   | 96.0   | 96.0   | 96.0    | 96.0   | 96.0  |
| GE 900   | 90.6 | 95.9                        | 96.6 | 96.8 | 97.1 | 97.2 | 97.3     | 97.3  | 97.3     | 97.3     | 97.3  | 97.3   | 97.3   | 97.3   | 97.3    | 97.3   | 97.3  |
| GE 800   | 90.6 | 96.1                        | 96.8 | 97.0 | 97.3 | 97.4 | 97.5     | 97.5  | 97.5     | 97.5     | 97.5  | 97.5   | 97.5   | 97.5   | 97.5    | 97.5   | 97.5  |
| GE 700   | 90.8 | 96.6                        | 97.5 | 97.8 | 98.3 | 98.4 | 98.5     | 98.5  | 98.5     | 98.5     | 98.5  | 98.5   | 98.5   | 98.5   | 98.5    | 98.5   | 98.5  |
| GE 600   | 90.8 | 96.6                        | 97.5 | 98.1 | 98.6 | 98.7 | 98.8     | 98.8  | 98.8     | 98.8     | 98.8  | 98.8   | 98.8   | 98.8   | 98.8    | 98.8   | 98.8  |
| GE 500   | 90.8 | 96.8                        | 97.7 | 98.4 | 99.0 | 99.1 | 99.2     | 99.2  | 99.2     | 99.2     | 99.2  | 99.2   | 99.2   | 99.2   | 99.2    | 99.2   | 99.2  |
| GE 400   | 90.8 | 96.9                        | 97.8 | 98.7 | 99.5 | 99.8 | 99.9     | 99.9  | 99.9     | 99.9     | 99.9  | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   | 99.9  |
| GE 300   | 90.8 | 96.9                        | 97.8 | 98.8 | 99.6 | 99.9 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 200   | 90.8 | 96.9                        | 97.8 | 98.8 | 99.6 | 99.9 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 100   | 90.8 | 96.9                        | 97.8 | 98.8 | 99.6 | 99.9 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |
| GE 0     | 90.8 | 96.9                        | 97.8 | 98.8 | 99.6 | 99.9 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(DT): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |       |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|----------|------|-----------------------------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 1                        | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 1    | 64.0                        | 65.4  | 65.6 | 65.7 | 65.7 | 65.8 | 65.8     | 65.8 | 65.8     | 65.8     | 65.8 | 65.8   | 65.8   | 65.8   | 65.8    | 65.8   | 65.8  |
| GE 20000 | 1    | 67.4                        | 70.9  | 71.1 | 71.2 | 71.3 | 71.3 | 71.3     | 71.3 | 71.3     | 71.3     | 71.3 | 71.3   | 71.3   | 71.3   | 71.3    | 71.3   | 71.3  |
| GE 18000 | 1    | 69.7                        | 71.2  | 71.3 | 71.5 | 71.5 | 71.5 | 71.5     | 71.5 | 71.5     | 71.5     | 71.5 | 71.5   | 71.5   | 71.6   | 71.6    | 71.6   | 71.6  |
| GE 16000 | 1    | 69.8                        | 71.3  | 71.4 | 71.5 | 71.6 | 71.6 | 71.6     | 71.6 | 71.6     | 71.6     | 71.6 | 71.6   | 71.6   | 71.7   | 71.7    | 71.7   | 71.7  |
| GE 14000 | 1    | 70.5                        | 72.0  | 72.1 | 72.3 | 72.3 | 72.4 | 72.4     | 72.4 | 72.4     | 72.4     | 72.4 | 72.4   | 72.4   | 72.4   | 72.4    | 72.4   | 72.4  |
| GE 12000 | 1    | 72.2                        | 72.8  | 73.9 | 74.0 | 74.1 | 74.1 | 74.1     | 74.1 | 74.1     | 74.1     | 74.1 | 74.1   | 74.1   | 74.1   | 74.1    | 74.2   | 74.2  |
| GE 10000 | 1    | 74.1                        | 75.9  | 76.0 | 76.2 | 76.3 | 76.3 | 76.3     | 76.3 | 76.3     | 76.3     | 76.3 | 76.3   | 76.3   | 76.3   | 76.3    | 76.3   | 76.3  |
| GE 9000  | 1    | 74.3                        | 76.2  | 76.3 | 76.4 | 76.5 | 76.5 | 76.5     | 76.5 | 76.5     | 76.5     | 76.5 | 76.5   | 76.5   | 76.5   | 76.5    | 76.6   | 76.6  |
| GE 8000  | 1    | 76.0                        | 78.0  | 78.1 | 78.3 | 78.3 | 78.3 | 78.3     | 78.4 | 78.4     | 78.4     | 78.4 | 78.4   | 78.4   | 78.4   | 78.4    | 78.4   | 78.4  |
| GE 7000  | 1    | 76.4                        | 78.5  | 78.7 | 78.8 | 78.9 | 78.9 | 78.9     | 78.9 | 78.9     | 78.9     | 78.9 | 78.9   | 78.9   | 78.9   | 78.9    | 78.9   | 78.9  |
| GE 6000  | 1    | 76.7                        | 78.9  | 79.0 | 79.2 | 79.2 | 79.2 | 79.2     | 79.3 | 79.3     | 79.3     | 79.3 | 79.3   | 79.3   | 79.3   | 79.3    | 79.3   | 79.3  |
| GE 5000  | 1    | 77.6                        | 80.1  | 80.3 | 80.5 | 80.6 | 80.6 | 80.6     | 80.6 | 80.6     | 80.6     | 80.6 | 80.6   | 80.6   | 80.7   | 80.7    | 80.7   | 80.7  |
| GE 4500  | 1    | 78.8                        | 81.2  | 81.4 | 81.6 | 81.8 | 81.8 | 81.8     | 81.8 | 81.8     | 81.8     | 81.8 | 81.8   | 81.8   | 81.8   | 81.8    | 81.8   | 81.9  |
| GE 4000  | 1    | 80.8                        | 83.7  | 84.0 | 84.2 | 84.4 | 84.4 | 84.4     | 84.4 | 84.5     | 84.5     | 84.5 | 84.5   | 84.5   | 84.5   | 84.5    | 84.5   | 84.5  |
| GE 3500  | 1    | 81.9                        | 84.9  | 85.2 | 85.4 | 85.6 | 85.6 | 85.6     | 85.6 | 85.6     | 85.6     | 85.6 | 85.6   | 85.6   | 85.7   | 85.7    | 85.7   | 85.7  |
| GE 3000  | 1    | 83.1                        | 86.4  | 86.7 | 86.9 | 87.1 | 87.2 | 87.2     | 87.2 | 87.2     | 87.2     | 87.2 | 87.2   | 87.2   | 87.2   | 87.2    | 87.2   | 87.3  |
| GE 2500  | 1    | 84.3                        | 87.9  | 88.2 | 88.5 | 88.8 | 88.8 | 88.8     | 88.8 | 88.8     | 88.8     | 88.8 | 88.8   | 88.8   | 88.8   | 88.8    | 88.9   | 88.9  |
| GE 2000  | 1    | 85.4                        | 89.3  | 89.7 | 90.0 | 90.2 | 90.3 | 90.3     | 90.3 | 90.3     | 90.3     | 90.3 | 90.3   | 90.3   | 90.3   | 90.3    | 90.4   | 90.4  |
| GE 1800  | 1    | 85.7                        | 89.7  | 90.1 | 90.3 | 90.6 | 90.6 | 90.6     | 90.7 | 90.7     | 90.7     | 90.7 | 90.7   | 90.7   | 90.7   | 90.7    | 90.7   | 90.7  |
| GE 1500  | 1    | 86.5                        | 90.9  | 91.3 | 91.7 | 92.0 | 92.0 | 92.1     | 92.1 | 92.1     | 92.1     | 92.1 | 92.1   | 92.1   | 92.1   | 92.1    | 92.1   | 92.1  |
| GE 1200  | 1    | 87.3                        | 92.2  | 92.7 | 93.1 | 93.4 | 93.4 | 93.5     | 93.5 | 93.5     | 93.5     | 93.5 | 93.5   | 93.5   | 93.6   | 93.6    | 93.6   | 93.6  |
| GE 1000  | 1    | 87.8                        | 92.1  | 93.7 | 94.2 | 94.5 | 94.5 | 94.6     | 94.6 | 94.6     | 94.6     | 94.6 | 94.6   | 94.6   | 94.7   | 94.7    | 94.7   | 94.7  |
| GE 900   | 1    | 88.1                        | 94.2  | 94.8 | 95.3 | 95.7 | 95.7 | 95.8     | 95.8 | 95.8     | 95.8     | 95.8 | 95.8   | 95.8   | 95.8   | 95.8    | 95.8   | 95.8  |
| GE 800   | 1    | 88.2                        | 94.6  | 95.4 | 96.0 | 96.4 | 96.4 | 96.5     | 96.5 | 96.5     | 96.5     | 96.5 | 96.5   | 96.5   | 96.5   | 96.5    | 96.5   | 96.6  |
| GE 700   | 1    | 88.3                        | 95.1  | 96.0 | 96.7 | 97.1 | 97.1 | 97.3     | 97.4 | 97.4     | 97.4     | 97.4 | 97.4   | 97.4   | 97.4   | 97.4    | 97.4   | 97.4  |
| GE 600   | 1    | 88.4                        | 95.4  | 96.4 | 97.2 | 97.7 | 97.7 | 97.9     | 98.0 | 98.0     | 98.0     | 98.0 | 98.0   | 98.0   | 98.0   | 98.0    | 98.0   | 98.0  |
| GE 500   | 1    | 88.5                        | 95.7  | 96.6 | 97.7 | 98.3 | 98.3 | 98.5     | 98.6 | 98.6     | 98.6     | 98.6 | 98.7   | 98.7   | 98.7   | 98.7    | 98.7   | 98.7  |
| GE 400   | 1    | 88.5                        | 95.9  | 97.0 | 98.1 | 98.8 | 98.8 | 99.2     | 99.2 | 99.3     | 99.3     | 99.3 | 99.3   | 99.3   | 99.4   | 99.4    | 99.4   | 99.4  |
| GE 300   | 1    | 88.5                        | 96.0  | 97.1 | 98.3 | 99.0 | 99.0 | 99.5     | 99.6 | 99.6     | 99.6     | 99.6 | 99.7   | 99.7   | 99.8   | 99.8    | 99.8   | 99.8  |
| GE 200   | 1    | 88.5                        | 96.0  | 97.1 | 98.4 | 99.1 | 99.1 | 99.6     | 99.6 | 99.7     | 99.7     | 99.7 | 99.8   | 99.8   | 99.9   | 99.9    | 99.9   | 99.9  |
| GE 100   | 1    | 88.5                        | 96.0  | 97.1 | 98.4 | 99.1 | 99.1 | 99.6     | 99.7 | 99.7     | 99.7     | 99.7 | 99.8   | 99.8   | 99.9   | 99.9    | 99.9   | 100.0 |
| GE 0     | 1    | 88.5                        | 96.0  | 97.1 | 98.4 | 99.1 | 99.1 | 99.6     | 99.7 | 99.7     | 99.7     | 99.7 | 99.8   | 99.8   | 99.9   | 99.9    | 99.9   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7440



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0000-0200

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 1"                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 67.6 | 67.9                        | 67.9 | 67.9 | 67.9 | 67.9 | 67.9     | 67.9 | 67.9     | 67.9     | 67.9 | 67.9   | 67.9   | 67.9   | 67.9    | 67.9   | 67.9  |
| GE 20000 | 71.3 | 71.7                        | 71.7 | 71.7 | 71.7 | 71.7 | 71.7     | 71.7 | 71.7     | 71.7     | 71.7 | 71.7   | 71.7   | 71.7   | 71.7    | 71.7   | 71.7  |
| GE 18000 | 71.3 | 71.7                        | 71.7 | 71.7 | 71.7 | 71.7 | 71.7     | 71.7 | 71.7     | 71.7     | 71.7 | 71.7   | 71.7   | 71.7   | 71.7    | 71.7   | 71.7  |
| GE 16000 | 71.3 | 71.7                        | 71.7 | 71.7 | 71.7 | 71.7 | 71.7     | 71.7 | 71.7     | 71.7     | 71.7 | 71.7   | 71.7   | 71.7   | 71.7    | 71.7   | 71.7  |
| GE 14000 | 71.6 | 71.9                        | 71.9 | 71.9 | 71.9 | 71.9 | 71.9     | 71.9 | 71.9     | 71.9     | 71.9 | 71.9   | 71.9   | 71.9   | 71.9    | 71.9   | 71.9  |
| GE 12000 | 72.4 | 72.8                        | 72.8 | 72.8 | 72.8 | 72.8 | 72.8     | 72.8 | 72.8     | 72.8     | 72.8 | 72.8   | 72.8   | 72.8   | 72.8    | 72.8   | 72.8  |
| GE 10000 | 75.2 | 75.6                        | 75.6 | 75.6 | 75.6 | 75.6 | 75.6     | 75.6 | 75.6     | 75.6     | 75.6 | 75.6   | 75.6   | 75.6   | 75.6    | 75.6   | 75.6  |
| GE 9000  | 75.2 | 75.6                        | 75.6 | 75.6 | 75.6 | 75.6 | 75.6     | 75.6 | 75.6     | 75.6     | 75.6 | 75.6   | 75.6   | 75.6   | 75.6    | 75.6   | 75.6  |
| GE 8000  | 77.4 | 77.9                        | 77.9 | 77.9 | 77.9 | 77.9 | 77.9     | 77.9 | 77.9     | 77.9     | 77.9 | 77.9   | 77.9   | 77.9   | 77.9    | 77.9   | 77.9  |
| GE 7000  | 77.7 | 78.1                        | 78.1 | 78.1 | 78.1 | 78.1 | 78.1     | 78.1 | 78.1     | 78.1     | 78.1 | 78.1   | 78.1   | 78.1   | 78.1    | 78.1   | 78.1  |
| GE 6000  | 77.8 | 78.2                        | 78.2 | 78.2 | 78.2 | 78.2 | 78.2     | 78.2 | 78.2     | 78.2     | 78.2 | 78.2   | 78.2   | 78.2   | 78.2    | 78.2   | 78.2  |
| GE 5000  | 79.6 | 80.6                        | 80.6 | 80.6 | 80.6 | 80.6 | 80.6     | 80.6 | 80.6     | 80.6     | 80.6 | 80.6   | 80.6   | 80.6   | 80.6    | 80.6   | 80.6  |
| GE 4500  | 81.1 | 82.4                        | 82.4 | 82.4 | 82.4 | 82.4 | 82.4     | 82.4 | 82.4     | 82.4     | 82.4 | 82.4   | 82.4   | 82.4   | 82.4    | 82.4   | 82.4  |
| GE 4000  | 81.8 | 83.1                        | 83.1 | 83.1 | 83.1 | 83.1 | 83.1     | 83.1 | 83.1     | 83.1     | 83.1 | 83.1   | 83.1   | 83.1   | 83.1    | 83.1   | 83.1  |
| GE 3500  | 82.4 | 83.8                        | 83.8 | 83.8 | 83.8 | 83.8 | 83.8     | 83.8 | 83.8     | 83.8     | 83.8 | 83.8   | 83.8   | 83.8   | 83.8    | 83.8   | 83.8  |
| GE 3000  | 83.0 | 84.3                        | 84.3 | 84.3 | 84.3 | 84.3 | 84.3     | 84.3 | 84.3     | 84.3     | 84.3 | 84.3   | 84.3   | 84.3   | 84.3    | 84.3   | 84.3  |
| GE 2500  | 84.8 | 86.4                        | 86.4 | 86.4 | 86.4 | 86.4 | 86.4     | 86.4 | 86.4     | 86.4     | 86.4 | 86.4   | 86.4   | 86.4   | 86.4    | 86.4   | 86.4  |
| GE 2000  | 86.2 | 87.9                        | 87.9 | 87.9 | 87.9 | 87.9 | 87.9     | 87.9 | 87.9     | 87.9     | 87.9 | 87.9   | 87.9   | 87.9   | 87.9    | 87.9   | 87.9  |
| GE 1800  | 86.6 | 88.2                        | 88.2 | 88.2 | 88.2 | 88.2 | 88.2     | 88.2 | 88.2     | 88.2     | 88.2 | 88.2   | 88.2   | 88.2   | 88.2    | 88.2   | 88.2  |
| GE 1500  | 87.2 | 89.0                        | 89.0 | 89.0 | 89.0 | 89.0 | 89.0     | 89.0 | 89.1     | 89.1     | 89.1 | 89.1   | 89.1   | 89.1   | 89.1    | 89.1   | 89.1  |
| GE 1200  | 88.6 | 90.7                        | 90.8 | 90.8 | 90.8 | 90.8 | 90.8     | 90.8 | 90.9     | 90.9     | 90.9 | 90.9   | 90.9   | 90.9   | 90.9    | 90.9   | 90.9  |
| GE 1000  | 88.7 | 90.9                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0     | 91.0 | 91.1     | 91.1     | 91.1 | 91.1   | 91.1   | 91.1   | 91.1    | 91.1   | 91.1  |
| GE 900   | 89.9 | 91.9                        | 92.0 | 92.1 | 92.1 | 92.1 | 92.1     | 92.1 | 92.3     | 92.3     | 92.3 | 92.3   | 92.3   | 92.3   | 92.3    | 92.3   | 92.3  |
| GE 800   | 89.2 | 92.4                        | 92.6 | 92.7 | 92.7 | 92.7 | 92.7     | 92.7 | 92.9     | 92.9     | 92.9 | 92.9   | 92.9   | 92.9   | 92.9    | 92.9   | 92.9  |
| GE 700   | 89.3 | 92.9                        | 93.1 | 93.3 | 93.3 | 93.3 | 93.3     | 93.3 | 93.6     | 93.6     | 93.6 | 93.6   | 93.6   | 93.6   | 93.6    | 93.6   | 93.6  |
| GE 600   | 89.3 | 93.3                        | 93.8 | 94.1 | 94.2 | 94.2 | 94.2     | 94.2 | 94.4     | 94.4     | 94.4 | 94.4   | 94.4   | 94.4   | 94.4    | 94.4   | 94.4  |
| GE 500   | 89.3 | 93.3                        | 94.1 | 95.0 | 95.1 | 95.1 | 95.1     | 95.2 | 95.4     | 95.6     | 95.6 | 95.7   | 95.7   | 95.7   | 95.7    | 95.7   | 95.7  |
| GE 400   | 89.3 | 93.3                        | 94.6 | 95.6 | 95.8 | 95.8 | 95.8     | 95.9 | 96.1     | 96.3     | 96.3 | 96.4   | 96.4   | 96.4   | 96.4    | 96.4   | 96.4  |
| GE 300   | 89.3 | 93.3                        | 94.6 | 95.8 | 96.6 | 96.6 | 96.6     | 96.7 | 97.6     | 97.9     | 98.0 | 98.1   | 98.1   | 98.1   | 98.1    | 98.1   | 98.1  |
| GE 200   | 89.3 | 93.3                        | 94.6 | 95.8 | 96.6 | 96.6 | 96.6     | 96.7 | 97.9     | 98.3     | 98.4 | 98.7   | 98.8   | 98.9   | 98.9    | 99.0   | 99.0  |
| GE 100   | 89.7 | 93.4                        | 94.7 | 95.9 | 96.7 | 96.7 | 96.7     | 96.9 | 98.0     | 98.4     | 98.6 | 98.9   | 99.2   | 99.8   | 99.8    | 100.0  | 100.0 |
| GE 0     | 89.3 | 93.4                        | 94.7 | 95.9 | 96.7 | 96.7 | 96.7     | 96.9 | 98.0     | 98.4     | 98.6 | 98.9   | 99.2   | 99.8   | 99.8    | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0300-0500

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |       |      |       |      |       |      |       |      |       |      |       |      |       |      |       |       |
|-----------------------|-----------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|
|                       | 1                           | 1 1/2 | 2    | 2 1/2 | 3    | 3 1/2 | 4    | 4 1/2 | 5    | 5 1/2 | 6    | 6 1/2 | 7    | 7 1/2 | 8    | 8 1/2 | 9     |
| NO CEIL               | 65.7                        | 66.2  | 66.2 | 66.3  | 66.4 | 66.4  | 66.4 | 66.5  | 66.6 | 66.6  | 66.6 | 66.6  | 66.6 | 66.6  | 66.6 | 66.7  | 66.7  |
| GE 20000              | 69.9                        | 69.3  | 69.3 | 69.4  | 69.6 | 69.6  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.7  | 69.7 | 69.8  | 69.8  |
| GE 18000              | 69.9                        | 69.4  | 69.4 | 69.6  | 69.7 | 69.7  | 69.8 | 69.8  | 69.8 | 69.8  | 69.8 | 69.8  | 69.8 | 69.8  | 69.8 | 69.9  | 69.9  |
| GE 16000              | 69.9                        | 69.6  | 69.6 | 69.7  | 69.8 | 69.8  | 69.9 | 69.9  | 69.9 | 69.9  | 69.9 | 69.9  | 69.9 | 69.9  | 69.9 | 70.0  | 70.0  |
| GE 14000              | 69.9                        | 69.6  | 69.6 | 69.7  | 69.8 | 69.8  | 69.9 | 69.9  | 69.9 | 69.9  | 69.9 | 69.9  | 69.9 | 69.9  | 69.9 | 70.0  | 70.0  |
| GE 12000              | 69.9                        | 70.4  | 70.4 | 70.6  | 70.7 | 70.7  | 70.8 | 70.8  | 70.8 | 70.8  | 70.8 | 70.8  | 70.8 | 70.8  | 70.8 | 70.9  | 70.9  |
| GE 10000              | 71.9                        | 72.3  | 72.3 | 72.4  | 72.6 | 72.6  | 72.7 | 72.7  | 72.7 | 72.7  | 72.7 | 72.7  | 72.7 | 72.7  | 72.7 | 72.8  | 72.8  |
| GE 9000               | 72.3                        | 72.9  | 72.9 | 73.0  | 73.1 | 73.1  | 73.2 | 73.2  | 73.2 | 73.2  | 73.2 | 73.2  | 73.2 | 73.2  | 73.2 | 73.3  | 73.3  |
| GE 8000               | 74.7                        | 75.2  | 75.2 | 75.3  | 75.4 | 75.4  | 75.5 | 75.5  | 75.6 | 75.6  | 75.6 | 75.6  | 75.6 | 75.6  | 75.6 | 75.7  | 75.7  |
| GE 7000               | 74.7                        | 75.2  | 75.2 | 75.3  | 75.4 | 75.4  | 75.5 | 75.5  | 75.6 | 75.6  | 75.6 | 75.6  | 75.6 | 75.6  | 75.6 | 75.7  | 75.7  |
| GE 6000               | 75.7                        | 75.9  | 75.9 | 75.9  | 75.9 | 75.9  | 76.0 | 76.0  | 76.1 | 76.1  | 76.1 | 76.1  | 76.1 | 76.1  | 76.1 | 76.2  | 76.2  |
| GE 5000               | 77.1                        | 77.8  | 77.8 | 77.9  | 78.0 | 78.0  | 78.1 | 78.1  | 78.1 | 78.1  | 78.1 | 78.1  | 78.1 | 78.1  | 78.1 | 78.2  | 78.2  |
| GE 4000               | 79.2                        | 79.0  | 79.0 | 79.1  | 79.3 | 79.3  | 79.4 | 79.4  | 79.4 | 79.4  | 79.4 | 79.4  | 79.4 | 79.4  | 79.4 | 79.6  | 79.6  |
| GE 3000               | 79.2                        | 80.0  | 80.0 | 80.2  | 80.4 | 80.4  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.7  | 80.7  |
| GE 2000               | 79.4                        | 80.7  | 80.7 | 80.9  | 81.1 | 81.1  | 81.2 | 81.2  | 81.2 | 81.2  | 81.2 | 81.2  | 81.2 | 81.2  | 81.2 | 81.3  | 81.3  |
| GE 1000               | 80.3                        | 81.4  | 81.4 | 81.7  | 81.9 | 81.9  | 82.0 | 82.0  | 82.0 | 82.0  | 82.0 | 82.0  | 82.0 | 82.0  | 82.0 | 82.1  | 82.1  |
| GE 2500               | 82.3                        | 83.4  | 83.4 | 83.8  | 84.0 | 84.0  | 84.1 | 84.1  | 84.1 | 84.1  | 84.1 | 84.1  | 84.1 | 84.1  | 84.1 | 84.2  | 84.2  |
| GE 2000               | 84.7                        | 86.0  | 86.0 | 86.4  | 86.7 | 86.7  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.9  | 86.9  |
| GE 1800               | 84.8                        | 86.2  | 86.2 | 86.4  | 86.7 | 86.7  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 86.8  | 86.8 | 87.0  | 87.0  |
| GE 1600               | 86.7                        | 87.9  | 87.9 | 88.1  | 88.8 | 88.8  | 89.0 | 89.0  | 89.1 | 89.1  | 89.1 | 89.1  | 89.1 | 89.1  | 89.1 | 89.2  | 89.2  |
| GE 1400               | 87.1                        | 89.7  | 89.7 | 90.0  | 90.6 | 90.6  | 90.9 | 90.9  | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.1  | 91.1  |
| GE 1200               | 87.3                        | 90.3  | 90.3 | 91.2  | 91.6 | 91.6  | 91.7 | 91.7  | 91.7 | 91.7  | 91.7 | 91.7  | 91.7 | 91.7  | 91.7 | 91.8  | 91.8  |
| GE 1000               | 87.3                        | 91.1  | 91.1 | 92.1  | 92.4 | 92.4  | 92.5 | 92.5  | 92.6 | 92.6  | 92.6 | 92.6  | 92.6 | 92.6  | 92.6 | 92.7  | 92.7  |
| GE 800                | 87.4                        | 91.6  | 91.6 | 92.6  | 93.9 | 93.9  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.1  | 94.1  |
| GE 700                | 87.4                        | 91.7  | 91.7 | 92.2  | 93.2 | 93.2  | 93.9 | 93.9  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.0  | 94.0 | 94.1  | 94.1  |
| GE 600                | 87.4                        | 91.8  | 91.8 | 92.4  | 93.6 | 93.6  | 94.3 | 94.3  | 94.4 | 94.4  | 94.4 | 94.4  | 94.4 | 94.4  | 94.4 | 94.7  | 94.7  |
| GE 500                | 87.7                        | 92.0  | 92.0 | 93.1  | 94.7 | 94.7  | 95.6 | 95.6  | 95.7 | 95.8  | 95.8 | 95.9  | 95.9 | 95.9  | 95.9 | 96.0  | 96.0  |
| GE 400                | 87.7                        | 92.1  | 92.1 | 93.3  | 95.1 | 95.1  | 96.3 | 96.3  | 96.4 | 96.8  | 96.8 | 97.2  | 97.2 | 97.2  | 97.2 | 97.3  | 97.3  |
| GE 300                | 87.7                        | 92.1  | 92.1 | 93.4  | 95.4 | 95.4  | 97.0 | 97.0  | 97.3 | 97.9  | 97.9 | 98.3  | 98.3 | 98.3  | 98.3 | 98.4  | 98.4  |
| GE 200                | 87.7                        | 92.1  | 92.1 | 93.4  | 95.4 | 95.4  | 97.0 | 97.0  | 97.4 | 98.3  | 98.3 | 99.0  | 99.0 | 99.0  | 99.0 | 99.7  | 99.7  |
| GE 100                | 87.7                        | 92.1  | 92.1 | 93.4  | 95.4 | 95.4  | 97.0 | 97.0  | 97.4 | 98.3  | 98.3 | 99.0  | 99.0 | 99.0  | 99.0 | 99.8  | 99.8  |
| GE 0                  | 87.7                        | 92.1  | 92.1 | 93.4  | 95.4 | 95.4  | 97.0 | 97.0  | 97.4 | 98.3  | 98.3 | 99.0  | 99.0 | 99.0  | 99.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(1ST): 0600-0800

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |       |      |       |       |      |      |      |      |      |       |       |
|----------|------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|-------|
| IN       | FEET | GE                          | GF   | GE   | GF   | GE   | GF    | GE   | GF    | GE    | GF   | GE   | GF   | GE   | GF   | GE    | GF    |
|          |      | 10                          | 6    | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4   | 0     |
| NO CEIL  | 59.0 | 60.8                        | 60.9 | 61.1 | 61.1 | 61.1 | 61.1  | 61.1 | 61.2  | 61.2  | 61.2 | 61.3 | 61.3 | 61.3 | 61.4 | 61.4  | 61.6  |
| GE 20000 | 63.0 | 65.4                        | 65.6 | 65.8 | 65.8 | 65.8 | 65.8  | 65.9 | 65.9  | 65.9  | 65.9 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1  | 66.2  |
| GE 18000 | 63.0 | 65.4                        | 65.6 | 65.8 | 65.8 | 65.8 | 65.8  | 65.9 | 65.9  | 65.9  | 65.9 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1  | 66.2  |
| GE 16000 | 63.7 | 65.6                        | 65.7 | 65.9 | 65.9 | 65.9 | 65.9  | 66.0 | 66.0  | 66.0  | 66.0 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2  | 66.3  |
| GE 14000 | 63.7 | 65.6                        | 65.7 | 65.9 | 65.9 | 65.9 | 65.9  | 66.0 | 66.0  | 66.0  | 66.0 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2  | 66.3  |
| GE 12000 | 63.9 | 66.6                        | 66.7 | 66.9 | 66.9 | 66.9 | 66.9  | 67.0 | 67.0  | 67.0  | 67.0 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2  | 67.3  |
| GE 10000 | 65.7 | 68.3                        | 68.4 | 68.7 | 68.7 | 68.7 | 68.7  | 68.8 | 68.8  | 68.8  | 68.8 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0  | 69.1  |
| GE 9000  | 65.9 | 68.6                        | 68.7 | 68.9 | 68.9 | 68.9 | 68.9  | 69.0 | 69.0  | 69.0  | 69.0 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2  | 69.3  |
| GE 8000  | 69.2 | 72.1                        | 72.2 | 72.4 | 72.4 | 72.4 | 72.4  | 72.6 | 72.6  | 72.6  | 72.6 | 72.7 | 72.7 | 72.7 | 72.8 | 72.8  | 72.9  |
| GE 7000  | 69.6 | 72.4                        | 72.6 | 72.8 | 72.8 | 72.8 | 72.8  | 72.9 | 72.9  | 72.9  | 72.9 | 73.0 | 73.0 | 73.0 | 73.1 | 73.1  | 73.2  |
| GE 6000  | 69.6 | 72.4                        | 72.6 | 72.8 | 72.8 | 72.8 | 72.8  | 72.9 | 72.9  | 72.9  | 72.9 | 73.0 | 73.0 | 73.0 | 73.1 | 73.1  | 73.2  |
| GE 5000  | 70.9 | 73.9                        | 74.0 | 74.3 | 74.3 | 74.3 | 74.3  | 74.4 | 74.4  | 74.4  | 74.4 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7  | 74.8  |
| GE 4000  | 72.0 | 75.3                        | 75.4 | 75.6 | 75.6 | 75.6 | 75.6  | 75.9 | 75.9  | 75.9  | 75.9 | 76.0 | 76.0 | 76.0 | 76.1 | 76.1  | 76.2  |
| GE 3000  | 72.9 | 76.4                        | 76.6 | 76.9 | 76.9 | 76.9 | 76.9  | 77.0 | 77.0  | 77.0  | 77.0 | 77.1 | 77.1 | 77.1 | 77.2 | 77.2  | 77.3  |
| GE 2000  | 73.6 | 77.1                        | 77.2 | 77.6 | 77.6 | 77.6 | 77.6  | 77.7 | 77.7  | 77.7  | 77.7 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9  | 78.0  |
| GE 1000  | 74.7 | 78.2                        | 78.3 | 78.7 | 78.7 | 78.7 | 78.7  | 78.8 | 78.8  | 78.8  | 78.8 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0  | 79.1  |
| GE 25000 | 76.1 | 79.8                        | 80.1 | 80.4 | 80.4 | 80.4 | 80.4  | 80.6 | 80.6  | 80.6  | 80.6 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8  | 80.9  |
| GE 20000 | 78.6 | 82.4                        | 82.6 | 83.2 | 83.2 | 83.2 | 83.2  | 83.4 | 83.4  | 83.4  | 83.4 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7  | 83.8  |
| GE 18000 | 78.8 | 82.7                        | 83.0 | 83.4 | 83.4 | 83.4 | 83.4  | 83.7 | 83.7  | 83.7  | 83.7 | 83.8 | 83.8 | 83.8 | 83.9 | 83.9  | 84.0  |
| GE 16000 | 81.6 | 84.8                        | 85.1 | 85.7 | 85.7 | 85.7 | 85.7  | 85.9 | 85.9  | 85.9  | 85.9 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1  | 86.2  |
| GE 14000 | 82.1 | 87.6                        | 88.0 | 88.6 | 88.6 | 88.6 | 88.6  | 88.7 | 88.7  | 88.7  | 88.7 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0  | 89.1  |
| GE 10000 | 80.3 | 86.7                        | 89.1 | 89.8 | 89.8 | 89.8 | 90.0  | 90.0 | 90.1  | 90.1  | 90.1 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3  | 90.4  |
| GE 9000  | 80.6 | 86.3                        | 89.9 | 90.5 | 90.6 | 90.6 | 90.8  | 90.8 | 90.9  | 90.9  | 90.9 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1  | 91.2  |
| GE 8000  | 82.7 | 89.8                        | 90.4 | 91.3 | 91.4 | 91.7 | 91.7  | 91.8 | 91.8  | 91.8  | 91.8 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0  | 92.1  |
| GE 7000  | 82.7 | 90.1                        | 90.9 | 91.8 | 92.0 | 92.2 | 92.3  | 92.4 | 92.4  | 92.4  | 92.4 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7  | 92.8  |
| GE 6000  | 82.8 | 90.7                        | 91.4 | 92.6 | 92.9 | 93.1 | 93.2  | 93.3 | 93.3  | 93.3  | 93.3 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6  | 93.7  |
| GE 5000  | 82.9 | 91.0                        | 92.0 | 93.6 | 94.2 | 94.0 | 94.6  | 94.9 | 94.9  | 95.2  | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4  | 95.6  |
| GE 4000  | 82.9 | 91.4                        | 92.8 | 94.6 | 95.3 | 95.7 | 96.0  | 96.1 | 96.1  | 96.7  | 96.8 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0  | 97.1  |
| GE 3000  | 82.9 | 91.4                        | 93.2 | 95.2 | 96.1 | 96.4 | 96.9  | 97.2 | 97.2  | 97.9  | 98.0 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2  | 98.3  |
| GE 2000  | 82.9 | 91.4                        | 93.2 | 95.3 | 96.2 | 96.7 | 97.2  | 97.7 | 97.9  | 98.9  | 99.1 | 99.3 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 1000  | 82.9 | 91.4                        | 93.2 | 95.3 | 96.2 | 96.7 | 97.2  | 97.7 | 97.9  | 98.9  | 99.1 | 99.3 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 0     | 82.9 | 91.4                        | 93.2 | 95.3 | 96.2 | 96.7 | 97.2  | 97.7 | 97.9  | 98.9  | 99.1 | 99.3 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0900-1100

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |       |      |      |       |      |      |      |      |       |       |
|-----------------------|-----------------------------|------|------|------|------|------|------|-------|------|------|-------|------|------|------|------|-------|-------|
|                       | 1                           | GE   | GE   | GE   | GE   | GE   | GE   | GE    | GE   | GE   | GE    | GE   | GE   | GE   | GE   | GE    | GE    |
|                       | 1                           | 10   | 6    | 5    | 4    | 3    | 2    | 1 1/2 | 1    | 1/2  | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16  | 1/4   |
| NO CEIL               | 65.2                        | 66.2 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6  | 66.6 | 66.6 | 66.6  | 66.6 | 66.6 | 66.6 | 66.6 | 66.6  | 66.6  |
| GE 20000              | 64.0                        | 65.2 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6  | 65.6 | 65.6 | 65.6  | 65.6 | 65.6 | 65.6 | 65.6 | 65.6  | 65.6  |
| GE 18000              | 64.2                        | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8  | 65.8 | 65.8 | 65.8  | 65.8 | 65.8 | 65.8 | 65.8 | 65.8  | 65.8  |
| GE 16000              | 64.3                        | 65.6 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9  | 65.9 | 65.9 | 65.9  | 65.9 | 65.9 | 65.9 | 65.9 | 65.9  | 65.9  |
| GE 14000              | 65.3                        | 66.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7  | 66.7 | 66.7 | 66.7  | 66.7 | 66.7 | 66.7 | 66.7 | 66.7  | 66.7  |
| GE 12000              | 66.1                        | 67.4 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8  | 67.8 | 67.8 | 67.8  | 67.8 | 67.8 | 67.8 | 67.8 | 67.8  | 67.8  |
| GE 10000              | 67.6                        | 68.9 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2 | 69.2 | 69.2  | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2  |
| GE 9000               | 67.9                        | 69.2 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6  | 69.6 | 69.6 | 69.6  | 69.6 | 69.6 | 69.6 | 69.6 | 69.6  | 69.6  |
| GE 8000               | 69.7                        | 71.0 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3  | 71.3 | 71.3 | 71.3  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3  | 71.3  |
| GE 7000               | 70.2                        | 71.6 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9  | 71.9 | 71.9 | 71.9  | 71.9 | 71.9 | 71.9 | 71.9 | 71.9  | 71.9  |
| GE 6000               | 70.6                        | 71.9 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2  | 72.2 | 72.2 | 72.2  | 72.2 | 72.2 | 72.2 | 72.2 | 72.2  | 72.2  |
| GE 5000               | 71.0                        | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9  | 72.9 | 72.9 | 72.9  | 72.9 | 72.9 | 72.9 | 72.9 | 72.9  | 72.9  |
| GE 4500               | 72.0                        | 74.0 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3  | 74.3 | 74.3 | 74.3  | 74.3 | 74.3 | 74.3 | 74.3 | 74.3  | 74.3  |
| GE 4000               | 73.3                        | 75.2 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8  | 75.8 | 75.8 | 75.8  | 75.8 | 75.8 | 75.8 | 75.8 | 75.8  | 75.8  |
| GE 3500               | 73.9                        | 75.9 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4  | 76.4 | 76.4 | 76.4  | 76.4 | 76.4 | 76.4 | 76.4 | 76.4  | 76.4  |
| GE 3000               | 74.6                        | 76.8 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3  | 77.3 | 77.3 | 77.3  | 77.3 | 77.3 | 77.3 | 77.3 | 77.3  | 77.3  |
| GE 2500               | 75.8                        | 78.1 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7  | 78.8 | 78.8 | 78.8  | 78.8 | 78.8 | 78.8 | 78.8 | 78.8  | 78.8  |
| GE 2000               | 76.8                        | 81.1 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1  | 82.1 | 82.1 | 82.1  | 82.1 | 82.1 | 82.1 | 82.1 | 82.1  | 82.1  |
| GE 1900               | 80.2                        | 82.6 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 | 83.7  | 83.7 | 83.7 | 83.7  | 83.7 | 83.7 | 83.7 | 83.7 | 83.7  | 83.7  |
| GE 1800               | 81.1                        | 83.7 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8  | 84.8 | 84.8 | 84.8  | 84.8 | 84.8 | 84.8 | 84.8 | 84.8  | 84.8  |
| GE 1700               | 83.4                        | 86.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.6  | 87.6 | 87.6 | 87.6  | 87.6 | 87.6 | 87.6 | 87.6 | 87.6  | 87.6  |
| GE 1600               | 84.4                        | 88.3 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8  | 89.8 | 89.8 | 89.8  | 89.8 | 89.8 | 89.8 | 89.8 | 89.8  | 89.8  |
| GE 1500               | 85.3                        | 89.7 | 91.3 | 91.4 | 91.4 | 91.4 | 91.6 | 91.7  | 91.7 | 91.7 | 91.7  | 91.7 | 91.7 | 91.7 | 91.7 | 91.7  | 91.7  |
| GE 1400               | 85.6                        | 90.6 | 92.3 | 92.4 | 92.7 | 92.7 | 92.7 | 92.8  | 92.8 | 92.8 | 92.8  | 92.8 | 92.8 | 92.8 | 92.8 | 92.8  | 92.8  |
| GE 1300               | 85.7                        | 91.0 | 92.9 | 93.1 | 93.3 | 93.4 | 93.4 | 93.6  | 93.6 | 93.6 | 93.6  | 93.6 | 93.6 | 93.6 | 93.6 | 93.6  | 93.6  |
| GE 1200               | 85.7                        | 91.3 | 93.2 | 93.8 | 94.1 | 94.2 | 94.2 | 94.3  | 94.3 | 94.4 | 94.4  | 94.4 | 94.4 | 94.4 | 94.4 | 94.4  | 94.4  |
| GE 1100               | 85.8                        | 92.0 | 94.0 | 94.7 | 95.2 | 95.3 | 95.7 | 95.9  | 95.9 | 96.0 | 96.1  | 96.1 | 96.1 | 96.1 | 96.1 | 96.1  | 96.1  |
| GE 1000               | 85.8                        | 92.2 | 94.2 | 95.1 | 95.7 | 95.9 | 96.1 | 96.3  | 97.0 | 97.0 | 97.4  | 98.0 | 98.0 | 98.1 | 98.1 | 98.2  | 98.2  |
| GE 900                | 85.9                        | 92.2 | 94.2 | 95.1 | 95.9 | 96.1 | 96.3 | 96.4  | 97.2 | 97.4 | 98.0  | 98.8 | 98.8 | 99.1 | 99.1 | 99.2  | 99.2  |
| GE 800                | 85.6                        | 92.2 | 94.2 | 95.1 | 95.9 | 96.1 | 96.4 | 97.6  | 97.8 | 98.6 | 99.3  | 99.3 | 99.3 | 99.7 | 99.7 | 99.8  | 99.8  |
| GE 700                | 85.6                        | 92.2 | 94.2 | 95.1 | 95.9 | 96.1 | 96.4 | 97.6  | 97.8 | 98.6 | 99.3  | 99.3 | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 |
| GE 600                | 85.6                        | 92.2 | 94.2 | 95.1 | 95.9 | 96.1 | 96.4 | 97.6  | 97.8 | 98.6 | 99.3  | 99.3 | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 |
| GE 500                | 85.6                        | 92.2 | 94.2 | 95.1 | 95.9 | 96.1 | 96.4 | 97.6  | 97.8 | 98.6 | 99.3  | 99.3 | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 1200-1400

| CEILING  |   | VISIBILITY IN STATUTE MILES |       |       |       |       |          |       |          |          |       |        |        |        |         |        |       |
|----------|---|-----------------------------|-------|-------|-------|-------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN FEET  | 1 | GE 10                       | GE 6  | GE 5  | GE 4  | GE 3  | GE 2 1/2 | GE 2  | GE 1 1/2 | GE 1 1/4 | GE 1  | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 1 | 59.3                        | 60.3  | 60.3  | 60.3  | 60.3  | 60.3     | 60.3  | 60.3     | 60.3     | 60.3  | 60.3   | 60.3   | 60.3   | 60.3    | 60.3   | 60.3  |
| GE 20000 | 1 | 68.3                        | 69.7  | 69.7  | 69.7  | 69.7  | 69.7     | 69.7  | 69.7     | 69.7     | 69.7  | 69.7   | 69.7   | 69.7   | 69.7    | 69.7   | 69.7  |
| GE 18000 | 1 | 69.7                        | 70.0  | 70.0  | 70.0  | 70.0  | 70.0     | 70.0  | 70.0     | 70.0     | 70.0  | 70.0   | 70.0   | 70.0   | 70.0    | 70.0   | 70.0  |
| GE 16000 | 1 | 69.8                        | 70.1  | 70.1  | 70.1  | 70.1  | 70.1     | 70.1  | 70.1     | 70.1     | 70.1  | 70.1   | 70.1   | 70.1   | 70.1    | 70.1   | 70.1  |
| GE 14000 | 1 | 70.2                        | 71.7  | 71.7  | 71.7  | 71.7  | 71.7     | 71.7  | 71.7     | 71.7     | 71.7  | 71.7   | 71.7   | 71.7   | 71.7    | 71.7   | 71.7  |
| GE 12000 | 1 | 72.6                        | 74.0  | 74.0  | 74.0  | 74.0  | 74.0     | 74.0  | 74.0     | 74.0     | 74.0  | 74.0   | 74.0   | 74.0   | 74.0    | 74.0   | 74.0  |
| GE 10000 | 1 | 74.3                        | 75.8  | 75.8  | 75.8  | 75.8  | 75.8     | 75.8  | 75.8     | 75.8     | 75.8  | 75.8   | 75.8   | 75.8   | 75.8    | 75.8   | 75.8  |
| GE 9000  | 1 | 74.6                        | 76.0  | 76.0  | 76.0  | 76.0  | 76.0     | 76.0  | 76.0     | 76.0     | 76.0  | 76.0   | 76.0   | 76.0   | 76.0    | 76.0   | 76.0  |
| GE 8000  | 1 | 75.1                        | 76.7  | 76.7  | 76.7  | 76.7  | 76.7     | 76.7  | 76.7     | 76.7     | 76.7  | 76.7   | 76.7   | 76.7   | 76.7    | 76.7   | 76.7  |
| GE 7000  | 1 | 75.1                        | 76.7  | 76.7  | 76.7  | 76.7  | 76.7     | 76.7  | 76.7     | 76.7     | 76.7  | 76.7   | 76.7   | 76.7   | 76.7    | 76.7   | 76.7  |
| GE 6000  | 1 | 75.9                        | 77.3  | 77.3  | 77.3  | 77.3  | 77.3     | 77.3  | 77.3     | 77.3     | 77.3  | 77.3   | 77.3   | 77.3   | 77.3    | 77.3   | 77.3  |
| GE 5000  | 1 | 76.2                        | 77.8  | 77.8  | 77.8  | 77.8  | 77.8     | 77.8  | 77.8     | 77.8     | 77.8  | 77.8   | 77.8   | 77.8   | 77.8    | 77.8   | 77.8  |
| GE 4500  | 1 | 77.0                        | 78.7  | 78.7  | 78.7  | 78.7  | 78.7     | 78.7  | 78.7     | 78.7     | 78.7  | 78.7   | 78.7   | 78.7   | 78.7    | 78.7   | 78.7  |
| GE 4000  | 1 | 77.8                        | 79.7  | 79.7  | 79.7  | 79.7  | 79.7     | 79.7  | 79.7     | 79.7     | 79.7  | 79.7   | 79.7   | 79.7   | 79.7    | 79.7   | 79.7  |
| GE 3500  | 1 | 78.6                        | 80.4  | 80.4  | 80.4  | 80.4  | 80.4     | 80.4  | 80.4     | 80.4     | 80.4  | 80.4   | 80.4   | 80.4   | 80.4    | 80.4   | 80.4  |
| GE 3000  | 1 | 80.1                        | 82.0  | 82.0  | 82.0  | 82.0  | 82.0     | 82.0  | 82.0     | 82.0     | 82.0  | 82.0   | 82.0   | 82.0   | 82.0    | 82.0   | 82.0  |
| GE 2500  | 1 | 81.7                        | 83.8  | 83.8  | 83.8  | 83.8  | 83.8     | 83.8  | 83.8     | 83.8     | 83.8  | 83.8   | 83.8   | 83.8   | 83.8    | 83.8   | 83.8  |
| GE 2000  | 1 | 84.0                        | 86.2  | 86.2  | 86.2  | 86.2  | 86.2     | 86.2  | 86.2     | 86.2     | 86.2  | 86.2   | 86.2   | 86.2   | 86.2    | 86.2   | 86.2  |
| GE 1800  | 1 | 84.7                        | 86.9  | 86.9  | 86.9  | 86.9  | 86.9     | 86.9  | 86.9     | 86.9     | 86.9  | 86.9   | 86.9   | 86.9   | 86.9    | 86.9   | 86.9  |
| GE 1500  | 1 | 86.7                        | 89.0  | 89.0  | 89.0  | 89.0  | 89.0     | 89.0  | 89.0     | 89.0     | 89.0  | 89.0   | 89.0   | 89.0   | 89.0    | 89.0   | 89.0  |
| GE 1000  | 1 | 89.2                        | 91.0  | 91.0  | 91.0  | 91.0  | 91.0     | 91.0  | 91.0     | 91.0     | 91.0  | 91.0   | 91.0   | 91.0   | 91.0    | 91.0   | 91.0  |
| GE 1000  | 1 | 89.7                        | 92.1  | 92.1  | 92.1  | 92.1  | 92.1     | 92.1  | 92.1     | 92.1     | 92.1  | 92.1   | 92.1   | 92.1   | 92.1    | 92.1   | 92.1  |
| GE 900   | 1 | 89.8                        | 92.8  | 92.8  | 92.8  | 92.8  | 92.8     | 92.8  | 92.8     | 92.8     | 92.8  | 92.8   | 92.8   | 92.8   | 92.8    | 92.8   | 92.8  |
| GE 800   | 1 | 89.3                        | 93.4  | 93.4  | 93.4  | 93.4  | 93.4     | 93.4  | 93.4     | 93.4     | 93.4  | 93.4   | 93.4   | 93.4   | 93.4    | 93.4   | 93.4  |
| GE 700   | 1 | 89.4                        | 94.0  | 94.0  | 94.0  | 94.0  | 94.0     | 94.0  | 94.0     | 94.0     | 94.0  | 94.0   | 94.0   | 94.0   | 94.0    | 94.0   | 94.0  |
| GE 600   | 1 | 89.4                        | 94.6  | 94.6  | 94.6  | 94.6  | 94.6     | 94.6  | 94.6     | 94.6     | 94.6  | 94.6   | 94.6   | 94.6   | 94.6    | 94.6   | 94.6  |
| GE 500   | 1 | 89.4                        | 95.0  | 95.0  | 95.0  | 95.0  | 95.0     | 95.0  | 95.0     | 95.0     | 95.0  | 95.0   | 95.0   | 95.0   | 95.0    | 95.0   | 95.0  |
| GE 400   | 1 | 89.4                        | 95.8  | 95.8  | 95.8  | 95.8  | 95.8     | 95.8  | 95.8     | 95.8     | 95.8  | 95.8   | 95.8   | 95.8   | 95.8    | 95.8   | 95.8  |
| GE 300   | 1 | 89.4                        | 96.3  | 96.3  | 96.3  | 96.3  | 96.3     | 96.3  | 96.3     | 96.3     | 96.3  | 96.3   | 96.3   | 96.3   | 96.3    | 96.3   | 96.3  |
| GE 200   | 1 | 89.4                        | 96.7  | 96.7  | 96.7  | 96.7  | 96.7     | 96.7  | 96.7     | 96.7     | 96.7  | 96.7   | 96.7   | 96.7   | 96.7    | 96.7   | 96.7  |
| GE 100   | 1 | 89.4                        | 97.0  | 97.0  | 97.0  | 97.0  | 97.0     | 97.0  | 97.0     | 97.0     | 97.0  | 97.0   | 97.0   | 97.0   | 97.0    | 97.0   | 97.0  |
| GE 0     | 1 | 89.4                        | 98.2  | 98.2  | 98.2  | 98.2  | 98.2     | 98.2  | 98.2     | 98.2     | 98.2  | 98.2   | 98.2   | 98.2   | 98.2    | 98.2   | 98.2  |
| GE 0     | 1 | 89.4                        | 98.6  | 98.6  | 98.6  | 98.6  | 98.6     | 98.6  | 98.6     | 98.6     | 98.6  | 98.6   | 98.6   | 98.6   | 98.6    | 98.6   | 98.6  |
| GE 0     | 1 | 89.4                        | 99.0  | 99.0  | 99.0  | 99.0  | 99.0     | 99.0  | 99.0     | 99.0     | 99.0  | 99.0   | 99.0   | 99.0   | 99.0    | 99.0   | 99.0  |
| GE 0     | 1 | 89.4                        | 99.7  | 99.7  | 99.7  | 99.7  | 99.7     | 99.7  | 99.7     | 99.7     | 99.7  | 99.7   | 99.7   | 99.7   | 99.7    | 99.7   | 99.7  |
| GE 0     | 1 | 89.4                        | 99.8  | 99.8  | 99.8  | 99.8  | 99.8     | 99.8  | 99.8     | 99.8     | 99.8  | 99.8   | 99.8   | 99.8   | 99.8    | 99.8   | 99.8  |
| GE 0     | 1 | 89.4                        | 99.9  | 99.9  | 99.9  | 99.9  | 99.9     | 99.9  | 99.9     | 99.9     | 99.9  | 99.9   | 99.9   | 99.9   | 99.9    | 99.9   | 99.9  |
| GE 0     | 1 | 89.4                        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0    | 100.0 | 100.0    | 100.0    | 100.0 | 100.0  | 100.0  | 100.0  | 100.0   | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1800-2000

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 62.7 | 62.3                        | 62.3 | 62.3 | 62.3 | 62.3 | 62.3     | 62.3 | 62.3     | 62.3     | 62.3 | 62.3   | 62.3   | 62.3   | 62.3    | 62.3   | 62.3  |
| GE 20000 | 69.4 | 69.9                        | 69.9 | 69.9 | 69.9 | 69.9 | 69.9     | 69.9 | 69.9     | 69.9     | 69.9 | 69.9   | 69.9   | 69.9   | 69.9    | 69.9   | 69.9  |
| GE 18000 | 69.7 | 70.1                        | 70.1 | 70.1 | 70.1 | 70.1 | 70.1     | 70.1 | 70.1     | 70.1     | 70.1 | 70.1   | 70.1   | 70.1   | 70.1    | 70.1   | 70.1  |
| GE 16000 | 69.9 | 70.3                        | 70.3 | 70.3 | 70.3 | 70.3 | 70.3     | 70.3 | 70.3     | 70.3     | 70.3 | 70.3   | 70.3   | 70.3   | 70.3    | 70.3   | 70.3  |
| GE 14000 | 71.6 | 72.0                        | 72.0 | 72.0 | 72.0 | 72.0 | 72.0     | 72.0 | 72.0     | 72.0     | 72.0 | 72.0   | 72.0   | 72.0   | 72.0    | 72.0   | 72.0  |
| GE 12000 | 72.6 | 73.0                        | 73.0 | 73.0 | 73.0 | 73.0 | 73.0     | 73.0 | 73.0     | 73.0     | 73.0 | 73.0   | 73.0   | 73.0   | 73.0    | 73.0   | 73.0  |
| GE 10000 | 75.6 | 76.4                        | 76.4 | 76.4 | 76.4 | 76.4 | 76.4     | 76.4 | 76.4     | 76.4     | 76.4 | 76.4   | 76.4   | 76.4   | 76.4    | 76.4   | 76.4  |
| GE 9000  | 75.9 | 76.8                        | 76.8 | 76.8 | 76.8 | 76.8 | 76.8     | 76.8 | 76.8     | 76.8     | 76.8 | 76.8   | 76.8   | 76.8   | 76.8    | 76.8   | 76.8  |
| GE 8000  | 77.6 | 78.4                        | 78.4 | 78.4 | 78.4 | 78.4 | 78.4     | 78.4 | 78.4     | 78.4     | 78.4 | 78.4   | 78.4   | 78.4   | 78.4    | 78.4   | 78.4  |
| GE 7000  | 78.0 | 78.9                        | 78.9 | 78.9 | 78.9 | 78.9 | 78.9     | 78.9 | 78.9     | 78.9     | 78.9 | 78.9   | 78.9   | 78.9   | 78.9    | 78.9   | 78.9  |
| GE 6000  | 78.1 | 79.0                        | 79.0 | 79.0 | 79.0 | 79.0 | 79.0     | 79.0 | 79.0     | 79.0     | 79.0 | 79.0   | 79.0   | 79.0   | 79.0    | 79.0   | 79.0  |
| GE 5000  | 79.8 | 81.0                        | 81.0 | 81.0 | 81.0 | 81.0 | 81.0     | 81.0 | 81.0     | 81.0     | 81.0 | 81.0   | 81.0   | 81.0   | 81.0    | 81.0   | 81.0  |
| GE 4000  | 80.7 | 81.9                        | 82.0 | 82.0 | 82.0 | 82.0 | 82.0     | 82.0 | 82.0     | 82.0     | 82.0 | 82.0   | 82.0   | 82.0   | 82.0    | 82.0   | 82.0  |
| GE 3000  | 82.6 | 83.8                        | 83.9 | 84.1 | 84.1 | 84.1 | 84.1     | 84.1 | 84.1     | 84.1     | 84.1 | 84.1   | 84.1   | 84.1   | 84.1    | 84.1   | 84.1  |
| GE 2000  | 83.2 | 84.4                        | 84.6 | 84.8 | 84.8 | 84.8 | 84.8     | 84.8 | 84.8     | 84.8     | 84.8 | 84.8   | 84.8   | 84.8   | 84.8    | 84.8   | 84.8  |
| GE 1000  | 84.2 | 85.4                        | 85.6 | 85.8 | 85.8 | 85.8 | 85.8     | 85.8 | 85.8     | 85.8     | 85.8 | 85.8   | 85.8   | 85.8   | 85.8    | 85.8   | 85.8  |
| GE 2500  | 85.1 | 86.3                        | 86.6 | 86.8 | 86.8 | 86.8 | 86.8     | 86.8 | 86.8     | 86.8     | 86.8 | 86.8   | 86.8   | 86.8   | 86.8    | 86.8   | 86.8  |
| GE 2000  | 87.0 | 88.7                        | 89.0 | 89.2 | 89.2 | 89.2 | 89.2     | 89.2 | 89.2     | 89.2     | 89.2 | 89.2   | 89.2   | 89.2   | 89.2    | 89.2   | 89.2  |
| GE 1800  | 87.9 | 89.7                        | 90.0 | 90.2 | 90.2 | 90.2 | 90.2     | 90.2 | 90.2     | 90.2     | 90.2 | 90.2   | 90.2   | 90.2   | 90.2    | 90.2   | 90.2  |
| GE 1600  | 89.1 | 91.4                        | 91.6 | 92.0 | 92.0 | 92.0 | 92.0     | 92.0 | 92.0     | 92.0     | 92.0 | 92.0   | 92.0   | 92.0   | 92.0    | 92.0   | 92.0  |
| GE 1400  | 89.9 | 92.5                        | 93.2 | 93.4 | 93.4 | 93.4 | 93.4     | 93.4 | 93.4     | 93.4     | 93.4 | 93.4   | 93.4   | 93.4   | 93.4    | 93.4   | 93.4  |
| GE 1000  | 90.2 | 92.7                        | 94.2 | 94.4 | 94.4 | 94.4 | 94.4     | 94.4 | 94.4     | 94.4     | 94.4 | 94.4   | 94.4   | 94.4   | 94.4    | 94.4   | 94.4  |
| GE 900   | 90.3 | 94.3                        | 94.9 | 95.1 | 95.1 | 95.1 | 95.1     | 95.1 | 95.1     | 95.1     | 95.1 | 95.1   | 95.1   | 95.1   | 95.1    | 95.1   | 95.1  |
| GE 800   | 90.3 | 94.6                        | 95.4 | 95.8 | 95.8 | 95.8 | 95.8     | 95.8 | 95.8     | 95.8     | 95.8 | 95.8   | 95.8   | 95.8   | 95.8    | 95.8   | 95.8  |
| GE 700   | 90.3 | 94.9                        | 95.6 | 95.9 | 95.9 | 95.9 | 95.9     | 95.9 | 95.9     | 95.9     | 95.9 | 95.9   | 95.9   | 95.9   | 95.9    | 95.9   | 95.9  |
| GE 600   | 90.6 | 96.1                        | 96.9 | 97.2 | 97.2 | 97.2 | 97.2     | 97.2 | 97.2     | 97.2     | 97.2 | 97.2   | 97.2   | 97.2   | 97.2    | 97.2   | 97.2  |
| GE 500   | 90.6 | 96.4                        | 97.3 | 97.7 | 97.7 | 97.7 | 97.7     | 97.9 | 97.9     | 97.9     | 97.9 | 98.0   | 98.1   | 98.1   | 98.1    | 98.1   | 98.1  |
| GE 400   | 90.6 | 96.6                        | 97.4 | 97.9 | 98.0 | 98.0 | 98.0     | 98.2 | 98.3     | 98.3     | 98.3 | 98.6   | 98.8   | 98.8   | 98.8    | 98.8   | 98.8  |
| GE 300   | 90.6 | 96.6                        | 97.4 | 97.9 | 98.0 | 98.0 | 98.0     | 98.2 | 98.3     | 98.3     | 98.3 | 98.7   | 98.9   | 99.3   | 99.3    | 99.3   | 99.3  |
| GE 200   | 90.6 | 96.6                        | 97.4 | 98.0 | 98.1 | 98.1 | 98.1     | 98.3 | 98.4     | 98.4     | 98.4 | 98.8   | 99.1   | 99.6   | 99.6    | 99.6   | 99.6  |
| GE 100   | 90.6 | 96.6                        | 97.4 | 98.0 | 98.1 | 98.1 | 98.1     | 98.3 | 98.4     | 98.4     | 98.4 | 98.9   | 99.2   | 99.8   | 99.8    | 100.0  | 100.0 |
| GE 0     | 90.6 | 96.6                        | 97.4 | 98.0 | 98.1 | 98.1 | 98.1     | 98.3 | 98.4     | 98.4     | 98.4 | 98.9   | 99.2   | 99.8   | 99.8    | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 2100-2300

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |             |         |         |         |         |         |         |         |         |          |          |          |          |          |          |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
|                       | GE<br>1                     | GE<br>1 1/2 | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 |
| NO CEIL               | 67.4                        | 63.8        | 63.8    | 63.8    | 63.8    | 63.8    | 63.8    | 63.8    | 63.8    | 63.8    | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     | 63.8     |
| GE 20000              | 71.1                        | 71.7        | 71.7    | 71.7    | 71.7    | 71.7    | 71.7    | 71.7    | 71.7    | 71.7    | 71.7     | 71.7     | 71.7     | 71.7     | 71.7     | 71.7     |
| GE 18000              | 71.1                        | 71.7        | 71.7    | 71.7    | 71.7    | 71.7    | 71.7    | 71.7    | 71.7    | 71.7    | 71.7     | 71.7     | 71.7     | 71.7     | 71.7     | 71.7     |
| GE 16000              | 71.3                        | 71.9        | 71.9    | 71.9    | 71.9    | 71.9    | 71.9    | 71.9    | 71.9    | 71.9    | 71.9     | 71.9     | 71.9     | 71.9     | 71.9     | 71.9     |
| GE 14000              | 72.1                        | 72.7        | 72.7    | 72.7    | 72.7    | 72.7    | 72.7    | 72.7    | 72.7    | 72.7    | 72.7     | 72.7     | 72.7     | 72.7     | 72.7     | 72.7     |
| GE 12000              | 73.1                        | 73.8        | 73.8    | 73.8    | 73.8    | 73.8    | 73.8    | 73.8    | 73.8    | 73.8    | 73.8     | 73.8     | 73.8     | 73.8     | 73.8     | 73.8     |
| GE 10000              | 76.9                        | 76.7        | 76.7    | 76.7    | 76.7    | 76.7    | 76.7    | 76.7    | 76.7    | 76.7    | 76.7     | 76.7     | 76.7     | 76.7     | 76.7     | 76.7     |
| GE 9000               | 76.9                        | 76.9        | 76.9    | 76.9    | 76.9    | 76.9    | 76.9    | 76.9    | 76.9    | 76.9    | 76.9     | 76.9     | 76.9     | 76.9     | 76.9     | 76.9     |
| GE 8000               | 77.8                        | 78.7        | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7     | 78.7     | 78.7     | 78.7     | 78.7     | 78.7     |
| GE 7000               | 78.1                        | 79.0        | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0     | 79.0     | 79.0     | 79.0     | 79.0     | 79.0     |
| GE 6000               | 79.1                        | 79.0        | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0    | 79.0     | 79.0     | 79.0     | 79.0     | 79.0     | 79.0     |
| GE 5000               | 80.2                        | 81.3        | 81.3    | 81.3    | 81.3    | 81.3    | 81.3    | 81.3    | 81.3    | 81.3    | 81.3     | 81.3     | 81.3     | 81.3     | 81.3     | 81.3     |
| GE 4500               | 81.3                        | 82.4        | 82.4    | 82.4    | 82.4    | 82.4    | 82.4    | 82.4    | 82.4    | 82.4    | 82.4     | 82.4     | 82.4     | 82.4     | 82.4     | 82.4     |
| GE 4000               | 82.9                        | 84.2        | 84.2    | 84.2    | 84.2    | 84.2    | 84.2    | 84.2    | 84.2    | 84.2    | 84.2     | 84.2     | 84.2     | 84.2     | 84.2     | 84.2     |
| GE 3500               | 83.8                        | 85.1        | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1    | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     | 85.1     |
| GE 3000               | 84.8                        | 85.9        | 85.9    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9     | 85.9     | 85.9     | 85.9     | 85.9     | 85.9     |
| GE 2500               | 85.4                        | 87.0        | 87.0    | 87.1    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2    | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     | 87.2     |
| GE 2000               | 87.9                        | 89.4        | 89.4    | 89.6    | 89.7    | 89.7    | 89.7    | 89.7    | 89.7    | 89.7    | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     | 89.7     |
| GE 1500               | 88.1                        | 89.7        | 89.7    | 89.8    | 89.9    | 89.9    | 89.9    | 89.9    | 89.9    | 89.9    | 89.9     | 89.9     | 89.9     | 89.9     | 89.9     | 89.9     |
| GE 1000               | 89.9                        | 90.7        | 90.7    | 90.8    | 90.9    | 90.9    | 90.9    | 90.9    | 90.9    | 90.9    | 90.9     | 90.9     | 90.9     | 90.9     | 90.9     | 90.9     |
| GE 800                | 89.7                        | 91.5        | 91.5    | 92.0    | 92.1    | 92.1    | 92.1    | 92.1    | 92.1    | 92.1    | 92.1     | 92.1     | 92.1     | 92.1     | 92.1     | 92.1     |
| GE 600                | 89.9                        | 92.4        | 92.4    | 92.6    | 92.7    | 92.7    | 92.7    | 92.7    | 92.7    | 92.7    | 92.7     | 92.7     | 92.7     | 92.7     | 92.7     | 92.7     |
| GE 400                | 89.9                        | 92.9        | 92.9    | 93.0    | 93.1    | 93.1    | 93.1    | 93.1    | 93.1    | 93.1    | 93.1     | 93.1     | 93.1     | 93.1     | 93.1     | 93.1     |
| GE 200                | 90.3                        | 94.3        | 94.3    | 94.4    | 94.6    | 94.6    | 94.6    | 94.6    | 94.6    | 94.6    | 94.6     | 94.6     | 94.6     | 94.6     | 94.6     | 94.6     |
| GE 100                | 90.3                        | 94.6        | 94.6    | 95.2    | 95.3    | 95.3    | 95.3    | 95.3    | 95.3    | 95.3    | 95.3     | 95.3     | 95.3     | 95.3     | 95.3     | 95.3     |
| GE 50                 | 90.3                        | 94.6        | 95.0    | 95.6    | 95.7    | 95.7    | 95.9    | 95.9    | 95.9    | 95.9    | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     | 95.9     |
| GE 25                 | 90.3                        | 95.0        | 95.3    | 95.9    | 96.0    | 96.0    | 96.2    | 96.2    | 96.2    | 96.2    | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     | 96.2     |
| GE 10                 | 90.7                        | 95.3        | 95.6    | 96.4    | 96.6    | 96.6    | 97.2    | 97.2    | 97.3    | 97.3    | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     | 97.3     |
| GE 5                  | 90.3                        | 95.3        | 96.0    | 96.8    | 97.1    | 97.1    | 97.5    | 97.9    | 98.0    | 98.4    | 98.4     | 98.8     | 98.8     | 98.9     | 98.9     | 98.9     |
| GE 2                  | 90.3                        | 95.3        | 96.0    | 96.8    | 97.1    | 97.3    | 98.0    | 98.4    | 98.6    | 99.1    | 99.7     | 99.7     | 99.8     | 99.8     | 99.8     | 99.8     |
| GE 1                  | 90.3                        | 95.3        | 96.0    | 96.8    | 97.1    | 97.3    | 98.0    | 98.4    | 98.7    | 99.2    | 99.8     | 99.9     | 100.0    | 100.0    | 100.0    | 100.0    |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): ALL

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |       |      |       |      |      |      |      |       |       |
|-----------------------|-----------------------------|------|------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|
|                       | 1                           | CE   | GE   | GE   | GE   | GE   | GE   | GE    | GE   | GE    | GE   | GE   | GE   | GE   | GE    | GE    |
|                       | 1                           | 10   | 6    | 5    | 4    | 3    | 2    | 1 1/2 | 1    | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16  | 1/4   |
|                       | 1                           | 10   | 6    | 5    | 4    | 3    | 2    | 1 1/2 | 1    | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16  | 1/4   |
| NO CEIL               | 61.4                        | 61.4 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3  | 62.3 | 62.3  | 62.3 | 62.3 | 62.3 | 62.3 | 62.3  | 62.3  |
| GE 20000              | 69.0                        | 69.0 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1  | 69.1 | 69.1  | 69.1 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2  |
| GE 18000              | 69.2                        | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3  | 69.3 | 69.3  | 69.3 | 69.3 | 69.3 | 69.3 | 69.3  | 69.3  |
| GE 16000              | 69.3                        | 69.3 | 69.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4  | 69.4 | 69.4  | 69.4 | 69.4 | 69.4 | 69.4 | 69.5  | 69.5  |
| GE 14000              | 69.1                        | 70.1 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3  | 70.3 | 70.3  | 70.3 | 70.3 | 70.3 | 70.3 | 70.3  | 70.3  |
| GE 12000              | 70.4                        | 71.4 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6  | 71.6 | 71.6  | 71.6 | 71.6 | 71.6 | 71.6 | 71.7  | 71.7  |
| GE 10000              | 72.7                        | 73.6 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0  | 74.0 | 74.0  | 74.0 | 74.0 | 74.0 | 74.0 | 74.1  | 74.1  |
| GE 9000               | 73.7                        | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3  | 74.3 | 74.3  | 74.3 | 74.3 | 74.3 | 74.3 | 74.4  | 74.4  |
| GE 8000               | 74.6                        | 76.1 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3  | 76.3 | 76.3  | 76.3 | 76.3 | 76.3 | 76.3 | 76.3  | 76.3  |
| GE 7000               | 75.1                        | 76.3 | 76.4 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5  | 76.5 | 76.5  | 76.5 | 76.5 | 76.5 | 76.5 | 76.6  | 76.6  |
| GE 6000               | 75.4                        | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8  | 76.8 | 76.8  | 76.8 | 76.8 | 76.8 | 76.8 | 76.9  | 76.9  |
| GE 5000               | 76.8                        | 78.2 | 78.2 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4  | 78.4 | 78.4  | 78.4 | 78.4 | 78.4 | 78.4 | 78.4  | 78.4  |
| GE 4500               | 77.9                        | 79.4 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.7  | 79.7 | 79.7  | 79.7 | 79.7 | 79.7 | 79.7 | 79.7  | 79.7  |
| GE 4000               | 78.9                        | 80.6 | 80.7 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9  | 80.9 | 80.9  | 80.9 | 80.9 | 80.9 | 80.9 | 80.9  | 80.9  |
| GE 3500               | 79.6                        | 81.3 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.6  | 81.6 | 81.6  | 81.6 | 81.6 | 81.6 | 81.6 | 81.6  | 81.6  |
| GE 3000               | 80.5                        | 82.3 | 82.4 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6  | 82.6 | 82.6  | 82.6 | 82.6 | 82.6 | 82.6 | 82.7  | 82.7  |
| GE 2500               | 82.0                        | 83.9 | 84.1 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3  | 84.3 | 84.3  | 84.3 | 84.3 | 84.3 | 84.3 | 84.3  | 84.4  |
| GE 2000               | 84.1                        | 86.2 | 86.4 | 86.5 | 86.6 | 86.6 | 86.7 | 86.7  | 86.7 | 86.7  | 86.7 | 86.7 | 86.7 | 86.7 | 86.7  | 86.8  |
| GE 1800               | 84.6                        | 86.7 | 87.0 | 87.1 | 87.2 | 87.2 | 87.3 | 87.3  | 87.3 | 87.3  | 87.3 | 87.3 | 87.3 | 87.3 | 87.3  | 87.3  |
| GE 1500               | 86.7                        | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6 | 88.6 | 88.6 | 88.6 | 88.6  | 88.6  |
| GE 1200               | 87.7                        | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6  | 90.6 | 90.6  | 90.6 | 90.6 | 90.6 | 90.6 | 90.6  | 90.6  |
| GE 1000               | 87.7                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 900                | 87.9                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 800                | 88.1                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 700                | 88.2                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 600                | 88.2                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 500                | 88.2                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 400                | 88.2                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 300                | 88.2                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 200                | 88.2                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 100                | 88.2                        | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  |
| GE 0                  | 88.3                        | 94.0 | 95.2 | 96.2 | 96.6 | 97.1 | 97.5 | 98.2  | 98.4 | 98.9  | 99.4 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 7000



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0000-0200

| CEILING |      | VISIBILITY IN STATUTE MILES |      |      |      |          |      |          |          |      |        |        |        |         |        |       |  |
|---------|------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE 1 | GE 6                        | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |  |
| NO CEIL | 60.7 | 62.8                        | 62.9 | 62.9 | 62.9 | 62.9     | 62.9 | 62.9     | 62.9     | 62.9 | 62.9   | 62.9   | 62.9   | 62.9    | 63.0   | 63.2  |  |
| GE 0000 | 66.1 | 66.7                        | 66.8 | 66.8 | 66.8 | 66.8     | 66.8 | 66.8     | 66.8     | 66.8 | 66.8   | 66.8   | 66.8   | 66.8    | 66.9   | 67.2  |  |
| GE 1000 | 66.2 | 66.8                        | 66.9 | 66.9 | 66.9 | 66.9     | 66.9 | 66.9     | 66.9     | 66.9 | 66.9   | 66.9   | 66.9   | 66.9    | 67.0   | 67.3  |  |
| GE 1500 | 66.6 | 67.1                        | 67.2 | 67.2 | 67.2 | 67.2     | 67.2 | 67.2     | 67.2     | 67.2 | 67.2   | 67.2   | 67.2   | 67.2    | 67.3   | 67.6  |  |
| GE 1900 | 67.4 | 68.2                        | 68.3 | 68.3 | 68.3 | 68.3     | 68.3 | 68.3     | 68.3     | 68.3 | 68.3   | 68.3   | 68.3   | 68.3    | 68.4   | 68.7  |  |
| GE 1000 | 69.1 | 69.8                        | 69.9 | 69.9 | 69.9 | 69.9     | 69.9 | 69.9     | 69.9     | 69.9 | 69.9   | 69.9   | 69.9   | 69.9    | 70.0   | 70.3  |  |
| GE 9000 | 69.1 | 69.8                        | 69.9 | 69.9 | 69.9 | 69.9     | 69.9 | 69.9     | 69.9     | 69.9 | 69.9   | 69.9   | 69.9   | 69.9    | 70.0   | 70.3  |  |
| GE 8000 | 71.1 | 71.7                        | 71.8 | 71.8 | 71.8 | 71.8     | 71.8 | 71.8     | 71.8     | 71.8 | 71.8   | 71.8   | 71.8   | 71.8    | 71.9   | 72.3  |  |
| GE 7000 | 71.6 | 72.3                        | 72.4 | 72.4 | 72.4 | 72.4     | 72.4 | 72.4     | 72.4     | 72.4 | 72.4   | 72.4   | 72.4   | 72.4    | 72.5   | 72.8  |  |
| GE 6000 | 71.8 | 72.5                        | 72.6 | 72.6 | 72.6 | 72.6     | 72.6 | 72.6     | 72.6     | 72.6 | 72.6   | 72.6   | 72.6   | 72.6    | 72.7   | 73.0  |  |
| GE 5000 | 74.2 | 74.3                        | 74.3 | 74.3 | 74.3 | 74.3     | 74.3 | 74.3     | 74.3     | 74.3 | 74.3   | 74.3   | 74.3   | 74.3    | 74.4   | 74.7  |  |
| GE 4000 | 74.3 | 75.3                        | 75.4 | 75.4 | 75.4 | 75.4     | 75.4 | 75.4     | 75.4     | 75.4 | 75.4   | 75.4   | 75.4   | 75.4    | 75.5   | 75.8  |  |
| GE 4000 | 75.2 | 76.2                        | 76.7 | 76.8 | 76.8 | 76.8     | 76.8 | 76.8     | 76.8     | 76.8 | 76.8   | 76.8   | 76.8   | 76.8    | 76.9   | 77.2  |  |
| GE 3000 | 75.8 | 76.9                        | 77.3 | 77.4 | 77.4 | 77.4     | 77.4 | 77.4     | 77.4     | 77.4 | 77.4   | 77.4   | 77.4   | 77.4    | 77.5   | 77.8  |  |
| GE 3000 | 76.6 | 77.6                        | 78.1 | 78.2 | 78.2 | 78.2     | 78.2 | 78.2     | 78.2     | 78.2 | 78.2   | 78.2   | 78.2   | 78.2    | 78.3   | 78.6  |  |
| GE 2000 | 77.4 | 78.7                        | 79.1 | 79.5 | 79.6 | 79.6     | 79.7 | 79.7     | 79.7     | 79.7 | 79.7   | 79.7   | 79.7   | 79.7    | 79.8   | 80.1  |  |
| GE 2000 | 79.1 | 80.5                        | 81.1 | 81.4 | 81.5 | 81.5     | 81.9 | 81.9     | 82.0     | 82.0 | 82.0   | 82.0   | 82.0   | 82.0    | 82.2   | 82.5  |  |
| GE 1800 | 79.8 | 81.2                        | 81.7 | 82.0 | 82.2 | 82.2     | 82.6 | 82.6     | 82.7     | 82.7 | 82.7   | 82.7   | 82.7   | 82.7    | 82.8   | 83.1  |  |
| GE 1500 | 80.6 | 82.3                        | 82.8 | 83.1 | 83.2 | 83.2     | 83.7 | 83.7     | 83.8     | 83.8 | 83.8   | 83.8   | 83.8   | 83.8    | 83.9   | 84.2  |  |
| GE 1000 | 82.0 | 84.1                        | 84.6 | 84.9 | 85.1 | 85.1     | 85.5 | 85.5     | 85.6     | 85.6 | 85.6   | 85.6   | 85.6   | 85.6    | 85.7   | 86.0  |  |
| GE 1000 | 82.2 | 84.7                        | 85.4 | 85.8 | 85.9 | 86.0     | 86.6 | 86.6     | 86.7     | 86.7 | 86.7   | 86.7   | 86.7   | 86.7    | 86.8   | 87.1  |  |
| GE 900  | 82.3 | 85.9                        | 86.6 | 87.3 | 87.4 | 87.5     | 88.2 | 88.2     | 88.3     | 88.3 | 88.3   | 88.3   | 88.3   | 88.3    | 88.4   | 88.7  |  |
| GE 800  | 82.7 | 87.0                        | 88.0 | 88.9 | 88.9 | 89.0     | 89.8 | 89.8     | 89.9     | 89.9 | 89.9   | 89.9   | 89.9   | 89.9    | 90.0   | 90.3  |  |
| GE 700  | 82.8 | 88.1                        | 89.2 | 90.4 | 90.6 | 90.6     | 91.5 | 91.5     | 91.6     | 91.6 | 91.6   | 91.6   | 91.6   | 91.6    | 91.7   | 92.0  |  |
| GE 600  | 83.3 | 89.8                        | 91.4 | 92.8 | 93.1 | 93.3     | 94.1 | 94.1     | 94.2     | 94.2 | 94.2   | 94.2   | 94.2   | 94.2    | 94.3   | 94.6  |  |
| GE 500  | 84.3 | 90.2                        | 92.0 | 93.8 | 94.2 | 94.4     | 95.3 | 95.4     | 95.4     | 95.4 | 95.4   | 95.4   | 95.4   | 95.4    | 95.5   | 95.8  |  |
| GE 400  | 84.7 | 90.5                        | 92.6 | 94.4 | 94.9 | 95.4     | 96.7 | 96.7     | 96.8     | 96.8 | 96.8   | 96.8   | 96.8   | 96.8    | 96.9   | 97.3  |  |
| GE 300  | 84.8 | 90.8                        | 92.8 | 94.7 | 95.7 | 96.1     | 97.4 | 97.6     | 97.7     | 97.7 | 97.7   | 97.7   | 97.7   | 97.7    | 97.8   | 98.4  |  |
| GE 200  | 84.9 | 90.8                        | 92.8 | 94.7 | 95.8 | 96.2     | 97.6 | 97.8     | 98.1     | 98.2 | 98.3   | 98.3   | 98.6   | 98.7    | 99.0   | 99.6  |  |
| GE 100  | 84.9 | 90.8                        | 92.8 | 94.7 | 95.8 | 96.2     | 97.6 | 97.8     | 98.1     | 98.2 | 98.3   | 98.3   | 99.0   | 99.1    | 99.5   | 100.0 |  |
| GE 00   | 84.9 | 90.8                        | 92.8 | 94.7 | 95.8 | 96.2     | 97.6 | 97.8     | 98.1     | 98.2 | 98.3   | 98.3   | 99.0   | 99.1    | 99.5   | 100.0 |  |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0300-0500

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |       |      |      |       |      |      |      |      |      |      |       |
|-----------------------|-----------------------------|------|------|------|------|------|------|-------|------|------|-------|------|------|------|------|------|------|-------|
|                       | 1                           | GE   | GE   | GE   | GE   | GE   | GE   | GE    | GE   | GE   | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE    |
|                       | 1                           | 10   | 6    | 5    | 4    | 3    | 2    | 1 1/2 | 1    | 1/2  | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0     |
| NO CEIL               | 61.4                        | 62.0 | 62.3 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0  | 63.0 | 63.0 | 63.0  | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0  |
| GE 20000              | 65.3                        | 65.9 | 66.1 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9  | 66.9 | 66.9 | 66.9  | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9  |
| GE 16000              | 65.6                        | 66.2 | 66.5 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  | 67.2 | 67.2 | 67.2  | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  |
| GE 14000              | 65.6                        | 66.2 | 66.5 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  | 67.2 | 67.2 | 67.2  | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  |
| GE 14000              | 65.9                        | 66.6 | 66.8 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5  | 67.5 | 67.5 | 67.5  | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5  |
| GE 12000              | 67.5                        | 68.2 | 68.4 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1  | 69.1 | 69.1 | 69.1  | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1  |
| GE 10000              | 69.6                        | 69.2 | 69.5 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2  | 70.2 | 70.2 | 70.2  | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2  |
| GE 9000               | 69.6                        | 69.2 | 69.5 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2  | 70.2 | 70.2 | 70.2  | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2  |
| GE 8000               | 69.1                        | 69.6 | 70.0 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8  | 70.8 | 70.8 | 70.8  | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8  |
| GE 7000               | 69.5                        | 70.1 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1 | 71.1  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  |
| GE 6000               | 69.5                        | 70.1 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1 | 71.1  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  |
| GE 5000               | 70.6                        | 71.6 | 71.8 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6 | 72.6 | 72.6  | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  |
| GE 4500               | 71.7                        | 72.6 | 72.8 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  | 73.5 | 73.5 | 73.5  | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  |
| GE 4000               | 71.9                        | 72.8 | 73.1 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9  | 73.9 | 73.9 | 73.9  | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9  |
| GE 3500               | 72.0                        | 74.1 | 74.4 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2  | 75.2 | 75.2 | 75.2  | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2  |
| GE 3000               | 73.1                        | 74.3 | 74.8 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7  | 75.7 | 75.7 | 75.7  | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7  |
| GE 2500               | 74.2                        | 75.4 | 75.9 | 76.8 | 77.1 | 77.1 | 77.1 | 77.1  | 77.1 | 77.1 | 77.1  | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  |
| GE 2000               | 76.5                        | 77.7 | 78.3 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5  | 79.5 | 79.5 | 79.5  | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5  |
| GE 1800               | 77.0                        | 78.2 | 78.6 | 80.0 | 80.2 | 80.3 | 80.3 | 80.3  | 80.3 | 80.3 | 80.3  | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4  |
| GE 1500               | 78.6                        | 80.6 | 81.2 | 82.4 | 82.8 | 82.8 | 82.8 | 82.8  | 82.8 | 82.8 | 82.8  | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9  |
| GE 1000               | 80.5                        | 82.7 | 83.2 | 84.6 | 85.1 | 85.1 | 85.1 | 85.1  | 85.1 | 85.1 | 85.1  | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2  |
| GE 1700               | 81.4                        | 84.3 | 85.1 | 86.5 | 87.0 | 87.0 | 87.0 | 87.0  | 87.0 | 87.0 | 87.0  | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1  |
| GE 900                | 81.9                        | 85.1 | 85.6 | 87.2 | 87.7 | 87.7 | 87.8 | 87.8  | 87.8 | 87.8 | 87.8  | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.0 | 88.0  |
| GE 800                | 81.9                        | 85.4 | 86.1 | 87.5 | 88.1 | 88.1 | 88.2 | 88.2  | 88.2 | 88.2 | 88.2  | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3  |
| GE 700                | 81.7                        | 86.1 | 87.1 | 88.6 | 89.1 | 89.1 | 89.4 | 89.4  | 89.4 | 89.4 | 89.4  | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5  |
| GE 600                | 82.3                        | 87.5 | 88.7 | 90.8 | 91.6 | 91.6 | 91.8 | 91.8  | 91.8 | 91.8 | 91.8  | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 92.0 | 92.0  |
| GE 500                | 82.4                        | 88.1 | 89.6 | 91.9 | 93.1 | 93.2 | 93.4 | 93.4  | 93.4 | 93.4 | 93.4  | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.7 | 93.7  |
| GE 400                | 82.4                        | 88.4 | 90.1 | 92.8 | 94.4 | 94.5 | 95.2 | 95.2  | 95.2 | 95.2 | 95.2  | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.5 | 95.7  |
| GE 300                | 82.4                        | 88.6 | 90.3 | 93.2 | 95.1 | 95.2 | 96.1 | 96.2  | 96.2 | 96.2 | 96.2  | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.5 | 96.6  |
| GE 200                | 82.4                        | 88.6 | 90.3 | 93.3 | 95.2 | 95.3 | 96.2 | 96.6  | 96.6 | 96.6 | 96.6  | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8  |
| GE 100                | 82.4                        | 88.6 | 90.3 | 93.3 | 95.2 | 95.3 | 96.3 | 96.7  | 97.0 | 97.0 | 97.0  | 97.5 | 97.5 | 97.6 | 97.7 | 98.1 | 98.3 | 98.7  |
| GE 0                  | 82.4                        | 88.6 | 90.3 | 93.3 | 95.2 | 95.3 | 96.3 | 96.7  | 97.0 | 97.0 | 97.0  | 97.5 | 97.6 | 97.7 | 98.1 | 98.3 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0600-0600

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |      |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN       | FEET | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL  | 57.7 | 59.7                        | 58.9 | 59.2 | 59.2 | 59.2 | 59.2     | 59.2 | 59.2     | 59.2     | 59.4 | 59.4   | 59.4   | 59.4   | 59.4    | 59.4   | 59.4 |
| GE 20000 | 62.4 | 63.3                        | 63.5 | 63.9 | 63.9 | 63.9 | 63.9     | 63.9 | 63.9     | 63.9     | 64.0 | 64.0   | 64.0   | 64.0   | 64.0    | 64.0   | 64.0 |
| GE 18000 | 62.4 | 63.3                        | 63.5 | 63.9 | 63.9 | 63.9 | 63.9     | 63.9 | 63.9     | 63.9     | 64.0 | 64.0   | 64.0   | 64.0   | 64.0    | 64.0   | 64.0 |
| GE 16000 | 62.4 | 63.3                        | 63.5 | 63.9 | 63.9 | 63.9 | 63.9     | 63.9 | 63.9     | 63.9     | 64.0 | 64.0   | 64.0   | 64.0   | 64.0    | 64.0   | 64.0 |
| GE 14000 | 63.5 | 64.5                        | 64.7 | 65.1 | 65.1 | 65.1 | 65.1     | 65.1 | 65.1     | 65.1     | 65.2 | 65.2   | 65.2   | 65.2   | 65.2    | 65.2   | 65.2 |
| GE 12000 | 64.3 | 65.3                        | 65.5 | 65.9 | 65.9 | 65.9 | 65.9     | 65.9 | 65.9     | 65.9     | 66.0 | 66.0   | 66.0   | 66.0   | 66.0    | 66.0   | 66.0 |
| GE 10000 | 65.6 | 66.6                        | 66.8 | 67.3 | 67.3 | 67.3 | 67.3     | 67.3 | 67.3     | 67.3     | 67.4 | 67.4   | 67.4   | 67.4   | 67.4    | 67.4   | 67.4 |
| GE 9000  | 65.7 | 66.7                        | 66.9 | 67.4 | 67.4 | 67.4 | 67.4     | 67.4 | 67.4     | 67.4     | 67.5 | 67.5   | 67.5   | 67.5   | 67.5    | 67.5   | 67.5 |
| GE 8000  | 66.2 | 67.2                        | 67.4 | 68.0 | 68.0 | 68.0 | 68.0     | 68.0 | 68.0     | 68.0     | 68.1 | 68.1   | 68.1   | 68.1   | 68.1    | 68.1   | 68.1 |
| GE 7000  | 66.8 | 67.7                        | 68.0 | 68.5 | 68.5 | 68.5 | 68.5     | 68.5 | 68.5     | 68.5     | 68.6 | 68.6   | 68.6   | 68.6   | 68.6    | 68.6   | 68.6 |
| GE 6000  | 67.7 | 68.7                        | 68.9 | 69.5 | 69.5 | 69.5 | 69.5     | 69.5 | 69.5     | 69.5     | 69.6 | 69.6   | 69.6   | 69.6   | 69.6    | 69.6   | 69.6 |
| GE 5000  | 68.2 | 69.4                        | 69.6 | 70.1 | 70.1 | 70.1 | 70.1     | 70.1 | 70.1     | 70.1     | 70.2 | 70.2   | 70.2   | 70.2   | 70.2    | 70.2   | 70.2 |
| GE 4500  | 67.6 | 70.4                        | 70.6 | 71.2 | 71.2 | 71.2 | 71.2     | 71.2 | 71.2     | 71.3     | 71.3 | 71.3   | 71.3   | 71.3   | 71.3    | 71.3   | 71.4 |
| GE 4000  | 67.6 | 71.0                        | 71.2 | 71.8 | 71.8 | 71.8 | 71.8     | 71.8 | 71.8     | 71.9     | 71.9 | 71.9   | 71.9   | 71.9   | 71.9    | 71.9   | 72.0 |
| GE 3500  | 71.3 | 72.9                        | 73.2 | 73.9 | 73.9 | 73.9 | 73.9     | 73.9 | 73.9     | 74.0     | 74.0 | 74.0   | 74.0   | 74.0   | 74.0    | 74.0   | 74.1 |
| GE 3000  | 72.5 | 74.5                        | 74.8 | 75.5 | 75.6 | 75.6 | 75.6     | 75.6 | 75.6     | 75.6     | 75.7 | 75.7   | 75.7   | 75.7   | 75.7    | 75.7   | 75.8 |
| GE 2500  | 74.1 | 76.2                        | 76.7 | 77.3 | 77.4 | 77.4 | 77.4     | 77.4 | 77.4     | 77.4     | 77.5 | 77.5   | 77.5   | 77.5   | 77.5    | 77.5   | 77.6 |
| GE 2000  | 75.7 | 79.5                        | 79.1 | 79.8 | 79.9 | 79.9 | 79.9     | 79.9 | 79.9     | 80.0     | 80.0 | 80.2   | 80.2   | 80.2   | 80.2    | 80.2   | 80.3 |
| GE 1800  | 76.0 | 79.0                        | 79.7 | 80.3 | 80.4 | 80.4 | 80.4     | 80.4 | 80.4     | 80.4     | 80.5 | 80.8   | 80.8   | 80.8   | 80.8    | 80.8   | 80.9 |
| GE 1500  | 77.3 | 80.6                        | 81.3 | 81.9 | 82.2 | 82.2 | 82.2     | 82.2 | 82.2     | 82.2     | 82.4 | 82.6   | 82.6   | 82.6   | 82.6    | 82.6   | 82.7 |
| GE 1200  | 79.3 | 81.9                        | 82.8 | 83.4 | 83.7 | 83.7 | 83.7     | 83.7 | 83.7     | 83.7     | 83.9 | 84.1   | 84.1   | 84.1   | 84.1    | 84.1   | 84.2 |
| GE 1000  | 79.0 | 82.8                        | 83.9 | 84.6 | 84.8 | 84.8 | 84.8     | 84.8 | 84.8     | 85.1     | 85.3 | 85.3   | 85.3   | 85.3   | 85.3    | 85.3   | 85.4 |
| GE 900   | 79.6 | 84.2                        | 85.3 | 86.2 | 86.5 | 86.5 | 86.5     | 86.5 | 86.5     | 86.8     | 87.0 | 87.0   | 87.0   | 87.0   | 87.0    | 87.0   | 87.1 |
| GE 800   | 79.9 | 85.2                        | 86.5 | 87.4 | 87.6 | 87.6 | 87.6     | 87.6 | 87.6     | 88.0     | 88.2 | 88.2   | 88.2   | 88.2   | 88.2    | 88.2   | 88.3 |
| GE 700   | 80.0 | 85.7                        | 87.1 | 88.2 | 88.4 | 88.5 | 88.6     | 88.6 | 88.6     | 88.9     | 89.1 | 89.1   | 89.1   | 89.1   | 89.1    | 89.1   | 89.2 |
| GE 600   | 80.9 | 87.8                        | 89.2 | 91.1 | 91.3 | 91.4 | 91.5     | 91.5 | 91.5     | 91.8     | 92.0 | 92.0   | 92.0   | 92.0   | 92.0    | 92.0   | 92.2 |
| GE 500   | 81.9 | 88.1                        | 89.4 | 92.0 | 92.5 | 92.6 | 92.7     | 92.7 | 92.7     | 93.1     | 93.3 | 93.3   | 93.3   | 93.3   | 93.3    | 93.3   | 93.4 |
| GE 400   | 82.9 | 88.4                        | 90.4 | 93.1 | 94.1 | 94.4 | 94.7     | 94.8 | 94.8     | 95.4     | 95.6 | 95.6   | 95.6   | 95.7   | 95.7    | 95.7   | 95.9 |
| GE 300   | 80.9 | 88.6                        | 91.0 | 93.9 | 94.8 | 95.2 | 95.6     | 96.1 | 96.6     | 97.1     | 97.3 | 97.4   | 97.5   | 97.5   | 97.5    | 97.5   | 98.0 |
| GE 200   | 80.9 | 88.6                        | 91.0 | 94.0 | 94.9 | 95.4 | 95.8     | 96.3 | 96.8     | 97.5     | 97.7 | 98.1   | 98.3   | 98.4   | 98.6    | 98.7   | 99.5 |
| GE 100   | 80.9 | 88.6                        | 91.0 | 94.0 | 94.9 | 95.4 | 95.8     | 96.3 | 96.8     | 97.5     | 97.7 | 98.1   | 98.4   | 98.6   | 99.1    | 100.0  |      |
| GE 0     | 80.9 | 88.6                        | 91.0 | 94.0 | 94.9 | 95.4 | 95.8     | 96.3 | 96.8     | 97.5     | 97.7 | 98.1   | 98.4   | 98.6   | 99.1    | 100.0  |      |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0900-1100

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|-----------------------|-----------------------------|------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
|                       | 1                           | GE 1 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL               | 55.2                        | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1     | 56.1 | 56.1     | 56.1     | 56.1 | 56.1   | 56.1   | 56.1   | 56.1    | 56.2   | 56.2  |
| GE 20000              | 61.5                        | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5     | 62.5 | 62.5     | 62.5     | 62.5 | 62.5   | 62.5   | 62.5   | 62.5    | 62.6   | 62.6  |
| GE 18000              | 61.9                        | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9     | 62.9 | 62.9     | 62.9     | 62.9 | 62.9   | 62.9   | 62.9   | 62.9    | 63.0   | 63.0  |
| GE 16000              | 62.0                        | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0     | 63.0 | 63.0     | 63.0     | 63.0 | 63.0   | 63.0   | 63.0   | 63.0    | 63.1   | 63.1  |
| GE 14000              | 63.8                        | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7     | 64.7 | 64.7     | 64.7     | 64.7 | 64.7   | 64.7   | 64.7   | 64.7    | 64.8   | 64.8  |
| GE 12000              | 65.2                        | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2     | 66.2 | 66.2     | 66.2     | 66.2 | 66.2   | 66.2   | 66.2   | 66.2    | 66.3   | 66.3  |
| GE 10000              | 67.4                        | 68.5 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8     | 68.8 | 68.8     | 68.8     | 68.8 | 68.8   | 68.8   | 68.8   | 68.8    | 68.9   | 68.9  |
| GE 9000               | 67.7                        | 68.9 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2     | 69.2 | 69.2     | 69.2     | 69.2 | 69.2   | 69.2   | 69.2   | 69.2    | 69.4   | 69.4  |
| GE 8000               | 68.5                        | 69.7 | 69.8 | 70.0 | 70.0 | 70.0 | 70.0     | 70.0 | 70.0     | 70.0     | 70.0 | 70.0   | 70.0   | 70.0   | 70.0    | 70.1   | 70.1  |
| GE 7000               | 68.9                        | 70.1 | 70.2 | 70.4 | 70.4 | 70.4 | 70.4     | 70.4 | 70.4     | 70.4     | 70.4 | 70.4   | 70.4   | 70.4   | 70.4    | 70.5   | 70.5  |
| GE 6000               | 69.6                        | 70.8 | 70.9 | 71.1 | 71.1 | 71.1 | 71.1     | 71.1 | 71.1     | 71.1     | 71.1 | 71.1   | 71.1   | 71.1   | 71.1    | 71.2   | 71.2  |
| GE 5000               | 70.4                        | 71.7 | 71.8 | 72.0 | 72.0 | 72.0 | 72.0     | 72.0 | 72.0     | 72.0     | 72.0 | 72.0   | 72.0   | 72.0   | 72.0    | 72.2   | 72.2  |
| GE 4500               | 70.9                        | 72.5 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9     | 73.0 | 73.0     | 73.0     | 73.0 | 73.0   | 73.0   | 73.0   | 73.0    | 73.1   | 73.1  |
| GE 4000               | 71.5                        | 73.4 | 73.5 | 73.9 | 73.9 | 73.9 | 73.9     | 74.0 | 74.0     | 74.0     | 74.0 | 74.0   | 74.0   | 74.0   | 74.0    | 74.1   | 74.1  |
| GE 3500               | 72.9                        | 74.6 | 74.9 | 75.3 | 75.3 | 75.3 | 75.3     | 75.4 | 75.4     | 75.4     | 75.4 | 75.4   | 75.4   | 75.4   | 75.4    | 75.5   | 75.5  |
| GE 3000               | 73.8                        | 75.7 | 75.8 | 76.2 | 76.2 | 76.2 | 76.2     | 76.3 | 76.3     | 76.3     | 76.3 | 76.3   | 76.3   | 76.3   | 76.3    | 76.5   | 76.5  |
| GE 2500               | 74.9                        | 76.9 | 77.0 | 77.4 | 77.4 | 77.4 | 77.4     | 77.5 | 77.5     | 77.5     | 77.5 | 77.5   | 77.5   | 77.5   | 77.5    | 77.6   | 77.6  |
| GE 2000               | 76.3                        | 78.7 | 79.0 | 79.5 | 79.5 | 79.5 | 79.5     | 79.6 | 79.6     | 79.6     | 79.6 | 79.6   | 79.6   | 79.6   | 79.6    | 79.7   | 79.7  |
| GE 1800               | 76.7                        | 79.2 | 79.6 | 80.1 | 80.1 | 80.1 | 80.1     | 80.2 | 80.2     | 80.2     | 80.2 | 80.2   | 80.2   | 80.2   | 80.2    | 80.3   | 80.3  |
| GE 1500               | 78.8                        | 82.2 | 82.5 | 83.0 | 83.0 | 83.0 | 83.0     | 83.1 | 83.1     | 83.1     | 83.1 | 83.1   | 83.1   | 83.1   | 83.1    | 83.2   | 83.2  |
| GE 1200               | 79.9                        | 84.2 | 84.5 | 85.3 | 85.3 | 85.3 | 85.3     | 85.4 | 85.4     | 85.4     | 85.4 | 85.4   | 85.4   | 85.4   | 85.4    | 85.6   | 85.6  |
| GE 1000               | 80.2                        | 84.7 | 85.2 | 86.0 | 86.0 | 86.0 | 86.0     | 86.1 | 86.3     | 86.3     | 86.3 | 86.5   | 86.5   | 86.5   | 86.5    | 86.6   | 86.6  |
| GE 900                | 80.4                        | 85.0 | 85.6 | 86.0 | 86.6 | 86.6 | 86.6     | 86.8 | 87.0     | 87.0     | 87.0 | 87.1   | 87.1   | 87.1   | 87.1    | 87.2   | 87.2  |
| GE 800                | 81.1                        | 86.1 | 86.8 | 87.8 | 88.0 | 88.0 | 88.0     | 88.2 | 88.4     | 88.4     | 88.6 | 88.6   | 88.6   | 88.6   | 88.6    | 88.7   | 88.7  |
| GE 700                | 81.1                        | 86.9 | 87.6 | 88.7 | 88.9 | 88.9 | 88.9     | 89.2 | 89.6     | 89.6     | 89.8 | 89.8   | 89.8   | 89.8   | 89.8    | 89.9   | 89.9  |
| GE 600                | 81.1                        | 88.4 | 89.4 | 90.9 | 91.5 | 91.5 | 91.5     | 92.0 | 92.5     | 92.5     | 92.7 | 92.7   | 92.7   | 92.7   | 92.7    | 92.8   | 92.8  |
| GE 500                | 81.2                        | 88.7 | 89.9 | 91.6 | 92.5 | 92.7 | 92.7     | 93.2 | 93.8     | 93.8     | 94.2 | 94.3   | 94.3   | 94.3   | 94.3    | 94.4   | 94.4  |
| GE 400                | 81.2                        | 89.9 | 90.2 | 92.2 | 93.5 | 94.0 | 94.7     | 95.7 | 95.7     | 95.7     | 96.1 | 96.2   | 96.2   | 96.2   | 96.2    | 96.3   | 96.3  |
| GE 300                | 81.2                        | 89.0 | 90.3 | 92.6 | 94.4 | 94.8 | 95.6     | 96.9 | 97.2     | 97.2     | 97.7 | 98.0   | 98.0   | 98.2   | 98.3    | 98.4   | 98.7  |
| GE 200                | 81.2                        | 89.0 | 90.3 | 92.6 | 94.4 | 94.8 | 95.6     | 96.9 | 97.2     | 97.2     | 97.8 | 98.1   | 98.1   | 98.5   | 98.7    | 99.1   | 99.6  |
| GE 100                | 81.2                        | 89.0 | 90.3 | 92.6 | 94.4 | 94.8 | 95.6     | 96.9 | 97.2     | 97.2     | 97.8 | 98.1   | 98.1   | 98.8   | 99.0    | 99.5   | 100.0 |
| GE 0                  | 81.2                        | 89.0 | 90.3 | 92.6 | 94.4 | 94.8 | 95.6     | 96.9 | 97.2     | 97.2     | 97.8 | 98.1   | 98.1   | 98.8   | 99.0    | 99.5   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(LST): 1200-1400

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |
|----------|------|-----------------------------|------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET  | 1    | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |
| NO CEIL  | 1    | 55.1                        | 55.3 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4     | 55.4 | 55.4     | 55.5     | 55.5 | 55.5   | 55.5   | 55.5   | 55.5    | 55.5   | 55.5  |
| GE 20000 | 64.5 | 64.8                        | 64.9 | 64.9 | 64.0 | 64.0 | 64.0 | 64.0     | 64.1 | 64.1     | 64.1     | 64.1 | 64.1   | 64.1   | 64.1   | 64.1    | 64.1   | 64.1  |
| GE 18000 | 64.0 | 64.2                        | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4     | 64.5 | 64.5     | 64.5     | 64.5 | 64.5   | 64.5   | 64.5   | 64.5    | 64.5   | 64.5  |
| GE 16000 | 64.1 | 64.3                        | 64.4 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5     | 64.6 | 64.6     | 64.6     | 64.6 | 64.6   | 64.6   | 64.6   | 64.6    | 64.6   | 64.6  |
| GE 14000 | 65.6 | 65.8                        | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0     | 66.1 | 66.1     | 66.1     | 66.1 | 66.1   | 66.1   | 66.1   | 66.1    | 66.1   | 66.1  |
| GE 12000 | 67.4 | 67.6                        | 67.7 | 67.7 | 67.6 | 67.8 | 67.8 | 67.8     | 68.0 | 68.0     | 68.0     | 68.0 | 68.0   | 68.0   | 68.0   | 68.0    | 68.0   | 68.0  |
| GE 10000 | 69.0 | 69.5                        | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7     | 69.8 | 69.8     | 69.8     | 69.8 | 69.8   | 69.8   | 69.8   | 69.8    | 69.8   | 69.6  |
| GE 9000  | 69.9 | 69.9                        | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1     | 70.2 | 70.2     | 70.2     | 70.2 | 70.2   | 70.2   | 70.2   | 70.2    | 70.2   | 70.2  |
| GE 8000  | 71.6 | 72.0                        | 72.2 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3     | 72.4 | 72.4     | 72.4     | 72.4 | 72.4   | 72.4   | 72.4   | 72.4    | 72.4   | 72.4  |
| GE 7000  | 71.9 | 72.4                        | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6     | 72.7 | 72.7     | 72.7     | 72.7 | 72.7   | 72.7   | 72.7   | 72.7    | 72.7   | 72.7  |
| GE 6000  | 72.3 | 72.7                        | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9     | 73.0 | 73.0     | 73.0     | 73.0 | 73.0   | 73.0   | 73.0   | 73.0    | 73.0   | 73.0  |
| GE 5000  | 74.2 | 74.9                        | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1     | 74.2 | 74.2     | 74.2     | 74.2 | 74.2   | 74.2   | 74.2   | 74.2    | 74.2   | 74.2  |
| GE 4000  | 74.2 | 74.0                        | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2     | 74.3 | 74.3     | 74.3     | 74.3 | 74.3   | 74.3   | 74.3   | 74.3    | 74.3   | 74.3  |
| GE 3000  | 74.4 | 75.4                        | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6     | 75.7 | 75.7     | 75.7     | 75.7 | 75.7   | 75.7   | 75.7   | 75.7    | 75.7   | 75.7  |
| GE 2000  | 75.7 | 76.9                        | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1     | 77.2 | 77.2     | 77.2     | 77.2 | 77.2   | 77.2   | 77.2   | 77.2    | 77.2   | 77.2  |
| GE 1000  | 76.0 | 77.2                        | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4     | 77.5 | 77.5     | 77.5     | 77.5 | 77.5   | 77.5   | 77.5   | 77.5    | 77.5   | 77.5  |
| GE 2000  | 76.9 | 78.2                        | 78.4 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6     | 78.7 | 78.7     | 78.7     | 78.7 | 78.7   | 78.7   | 78.7   | 78.7    | 78.7   | 78.7  |
| GE 2000  | 78.5 | 80.8                        | 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2     | 81.3 | 81.3     | 81.3     | 81.3 | 81.3   | 81.3   | 81.3   | 81.3    | 81.3   | 81.3  |
| GE 1800  | 79.2 | 81.1                        | 81.3 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5     | 81.6 | 81.6     | 81.6     | 81.6 | 81.6   | 81.6   | 81.6   | 81.6    | 81.6   | 81.6  |
| GE 1600  | 81.4 | 83.5                        | 84.0 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2     | 84.3 | 84.3     | 84.3     | 84.3 | 84.3   | 84.3   | 84.3   | 84.3    | 84.3   | 84.3  |
| GE 1200  | 82.8 | 86.6                        | 87.0 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4     | 87.5 | 87.7     | 87.7     | 87.7 | 87.7   | 87.7   | 87.7   | 87.7    | 87.7   | 87.7  |
| GE 1000  | 83.3 | 87.4                        | 88.2 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6     | 88.7 | 89.0     | 89.1     | 89.1 | 89.1   | 89.1   | 89.1   | 89.1    | 89.1   | 89.1  |
| GE 900   | 84.0 | 88.9                        | 89.7 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3     | 90.6 | 91.0     | 91.1     | 91.1 | 91.1   | 91.1   | 91.1   | 91.1    | 91.1   | 91.1  |
| GE 800   | 84.2 | 89.4                        | 90.2 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1     | 91.4 | 91.5     | 91.6     | 91.6 | 91.6   | 91.6   | 91.6   | 91.6    | 91.6   | 91.6  |
| GE 700   | 84.4 | 89.8                        | 90.6 | 91.5 | 91.9 | 91.9 | 91.9 | 91.9     | 92.6 | 92.9     | 93.0     | 93.0 | 93.0   | 93.0   | 93.0   | 93.0    | 93.0   | 93.0  |
| GE 600   | 84.5 | 90.4                        | 91.4 | 92.9 | 93.4 | 93.4 | 93.4 | 93.4     | 94.0 | 94.1     | 94.4     | 94.5 | 94.5   | 94.5   | 94.5   | 94.5    | 94.5   | 94.5  |
| GE 500   | 84.6 | 90.8                        | 92.0 | 93.5 | 94.3 | 94.3 | 94.3 | 94.3     | 94.9 | 95.3     | 95.4     | 95.4 | 95.4   | 95.4   | 95.4   | 95.4    | 95.4   | 95.4  |
| GE 400   | 84.6 | 90.9                        | 92.2 | 94.0 | 94.8 | 94.8 | 94.8 | 94.8     | 95.6 | 96.7     | 96.8     | 97.2 | 97.3   | 97.3   | 97.3   | 97.3    | 97.3   | 97.3  |
| GE 300   | 84.6 | 91.0                        | 92.4 | 94.2 | 95.2 | 95.3 | 95.3 | 95.3     | 96.6 | 97.7     | 98.2     | 98.4 | 98.4   | 98.4   | 98.5   | 98.7    | 98.7   | 98.8  |
| GE 200   | 84.6 | 91.0                        | 92.4 | 94.2 | 95.2 | 95.3 | 95.3 | 95.3     | 96.6 | 97.7     | 98.2     | 98.5 | 98.6   | 99.2   | 99.6   | 99.6    | 99.6   | 99.7  |
| GE 100   | 84.6 | 91.0                        | 92.4 | 94.2 | 95.2 | 95.3 | 95.3 | 95.3     | 96.6 | 97.7     | 98.2     | 98.5 | 98.6   | 99.2   | 99.6   | 99.6    | 99.6   | 100.0 |
| GE 0     | 84.6 | 91.0                        | 92.4 | 94.2 | 95.2 | 95.3 | 95.3 | 95.3     | 96.6 | 97.7     | 98.2     | 98.5 | 98.6   | 99.2   | 99.6   | 99.6    | 99.6   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1500-1700

| CEILING  |   | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |      |  |
|----------|---|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|
| IN FEET  | 1 | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |  |
| NO CEIL  | 1 | 54.6                        | 54.9 | 55.2 | 55.7 | 55.8 | 55.8     | 55.9 | 55.9     | 55.9     | 55.9 | 55.9   | 55.9   | 55.9   | 55.9    | 55.9   | 55.9 |  |
| GE 20000 | 1 | 63.8                        | 64.6 | 64.8 | 65.4 | 65.5 | 65.5     | 65.6 | 65.6     | 65.6     | 65.6 | 65.6   | 65.6   | 65.6   | 65.6    | 65.6   | 65.6 |  |
| GE 18000 | 1 | 64.8                        | 65.7 | 65.9 | 66.5 | 66.6 | 66.6     | 66.7 | 66.7     | 66.7     | 66.7 | 66.7   | 66.7   | 66.7   | 66.7    | 66.7   | 66.7 |  |
| GE 16000 | 1 | 65.1                        | 65.9 | 66.1 | 66.7 | 66.8 | 66.8     | 66.9 | 66.9     | 66.9     | 66.9 | 66.9   | 66.9   | 66.9   | 66.9    | 66.9   | 66.9 |  |
| GE 14000 | 1 | 65.7                        | 66.6 | 66.8 | 67.3 | 67.4 | 67.4     | 67.5 | 67.5     | 67.5     | 67.5 | 67.5   | 67.5   | 67.5   | 67.5    | 67.5   | 67.5 |  |
| GE 12000 | 1 | 67.6                        | 68.5 | 68.7 | 69.2 | 69.4 | 69.4     | 69.5 | 69.5     | 69.5     | 69.5 | 69.5   | 69.5   | 69.5   | 69.5    | 69.5   | 69.5 |  |
| GE 10000 | 1 | 69.8                        | 70.6 | 70.9 | 71.4 | 71.5 | 71.5     | 71.6 | 71.6     | 71.6     | 71.6 | 71.6   | 71.7   | 71.7   | 71.7    | 71.7   | 71.7 |  |
| GE 9000  | 1 | 70.0                        | 70.9 | 71.1 | 71.6 | 71.7 | 71.7     | 71.8 | 71.8     | 71.8     | 71.8 | 71.8   | 71.9   | 71.9   | 71.9    | 71.9   | 71.9 |  |
| GE 8000  | 1 | 71.7                        | 73.0 | 73.2 | 73.8 | 73.9 | 73.9     | 74.0 | 74.0     | 74.0     | 74.0 | 74.0   | 74.1   | 74.1   | 74.1    | 74.1   | 74.1 |  |
| GE 7000  | 1 | 72.0                        | 73.3 | 73.5 | 74.3 | 74.4 | 74.4     | 74.5 | 74.5     | 74.5     | 74.5 | 74.5   | 74.6   | 74.6   | 74.6    | 74.6   | 74.6 |  |
| GE 6000  | 1 | 72.3                        | 73.5 | 73.8 | 74.5 | 74.6 | 74.6     | 74.7 | 74.7     | 74.7     | 74.7 | 74.7   | 74.8   | 74.8   | 74.8    | 74.8   | 74.8 |  |
| GE 5000  | 1 | 73.1                        | 74.5 | 74.7 | 75.5 | 75.6 | 75.6     | 75.7 | 75.7     | 75.7     | 75.7 | 75.7   | 75.8   | 75.8   | 75.8    | 75.8   | 75.8 |  |
| GE 4500  | 1 | 73.4                        | 75.1 | 75.3 | 76.0 | 76.1 | 76.1     | 76.2 | 76.2     | 76.2     | 76.2 | 76.2   | 76.3   | 76.3   | 76.3    | 76.3   | 76.3 |  |
| GE 4000  | 1 | 74.1                        | 76.0 | 76.2 | 77.0 | 77.1 | 77.1     | 77.2 | 77.2     | 77.2     | 77.2 | 77.2   | 77.3   | 77.3   | 77.3    | 77.3   | 77.3 |  |
| GE 3500  | 1 | 75.1                        | 77.0 | 77.2 | 78.0 | 78.1 | 78.1     | 78.2 | 78.2     | 78.2     | 78.2 | 78.2   | 78.3   | 78.3   | 78.3    | 78.3   | 78.3 |  |
| GE 3000  | 1 | 76.1                        | 78.3 | 78.5 | 79.2 | 79.4 | 79.4     | 79.5 | 79.5     | 79.5     | 79.5 | 79.5   | 79.6   | 79.6   | 79.6    | 79.6   | 79.6 |  |
| GE 2500  | 1 | 78.1                        | 80.4 | 80.6 | 81.4 | 81.6 | 81.6     | 81.7 | 81.7     | 81.7     | 81.7 | 81.7   | 81.8   | 81.8   | 81.8    | 81.8   | 81.8 |  |
| GE 2000  | 1 | 79.1                        | 81.7 | 81.9 | 82.7 | 82.9 | 82.9     | 83.0 | 83.1     | 83.1     | 83.1 | 83.1   | 83.2   | 83.2   | 83.2    | 83.2   | 83.2 |  |
| GE 1800  | 1 | 79.7                        | 82.7 | 82.9 | 83.7 | 83.9 | 83.9     | 84.0 | 84.1     | 84.1     | 84.1 | 84.1   | 84.2   | 84.2   | 84.2    | 84.2   | 84.2 |  |
| GE 1500  | 1 | 81.1                        | 84.4 | 84.6 | 85.4 | 85.6 | 85.6     | 85.7 | 85.9     | 85.9     | 85.9 | 85.9   | 86.0   | 86.0   | 86.0    | 86.0   | 86.0 |  |
| GE 1200  | 1 | 82.4                        | 86.1 | 86.5 | 87.2 | 87.4 | 87.4     | 87.5 | 87.6     | 87.8     | 87.8 | 87.8   | 88.0   | 88.0   | 88.0    | 88.0   | 88.0 |  |
| GE 1000  | 1 | 83.8                        | 87.7 | 88.2 | 89.1 | 89.4 | 89.4     | 89.5 | 89.9     | 89.9     | 89.9 | 89.9   | 90.0   | 90.1   | 90.1    | 90.1   | 90.1 |  |
| GE 900   | 1 | 84.3                        | 88.5 | 88.9 | 90.0 | 90.2 | 90.3     | 90.4 | 91.1     | 91.1     | 91.1 | 91.1   | 91.2   | 91.3   | 91.3    | 91.3   | 91.3 |  |
| GE 800   | 1 | 84.3                        | 88.7 | 89.2 | 90.5 | 91.0 | 91.1     | 91.3 | 91.9     | 91.9     | 91.9 | 91.9   | 92.0   | 92.2   | 92.2    | 92.2   | 92.2 |  |
| GE 700   | 1 | 84.5                        | 89.6 | 90.1 | 91.4 | 91.8 | 92.0     | 92.3 | 92.9     | 92.9     | 92.9 | 93.0   | 93.1   | 93.2   | 93.2    | 93.2   | 93.2 |  |
| GE 600   | 1 | 84.7                        | 90.1 | 90.8 | 92.6 | 93.4 | 93.7     | 94.5 | 94.5     | 94.6     | 94.7 | 94.9   | 95.1   | 95.2   | 95.2    | 95.2   | 95.2 |  |
| GE 500   | 1 | 84.7                        | 90.3 | 91.0 | 93.1 | 94.4 | 94.6     | 94.9 | 95.7     | 95.8     | 95.9 | 96.1   | 96.2   | 96.3   | 96.3    | 96.3   | 96.3 |  |
| GE 400   | 1 | 84.7                        | 90.4 | 91.3 | 93.7 | 95.1 | 95.4     | 95.9 | 96.8     | 96.9     | 97.0 | 97.5   | 97.6   | 97.7   | 97.7    | 97.7   | 97.7 |  |
| GE 300   | 1 | 84.7                        | 90.5 | 91.5 | 94.1 | 95.5 | 95.8     | 96.5 | 97.4     | 97.5     | 97.6 | 97.6   | 97.8   | 97.9   | 97.9    | 97.9   | 97.9 |  |
| GE 200   | 1 | 84.7                        | 90.5 | 91.5 | 94.1 | 95.5 | 95.8     | 96.5 | 97.5     | 97.6     | 97.6 | 97.8   | 97.8   | 97.8   | 97.8    | 97.8   | 97.8 |  |
| GE 100   | 1 | 84.7                        | 90.5 | 91.5 | 94.1 | 95.5 | 95.8     | 96.5 | 97.5     | 97.6     | 97.6 | 97.8   | 97.8   | 97.8   | 97.8    | 97.8   | 97.8 |  |
| GE 0     | 1 | 84.7                        | 90.5 | 91.5 | 94.1 | 95.5 | 95.8     | 96.5 | 97.5     | 97.6     | 97.6 | 97.8   | 97.8   | 97.8   | 97.8    | 97.8   | 97.8 |  |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AIR TX

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS (LST): 1800-2000

| CEILING  |   | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |        |        |        |         |        |       |  |
|----------|---|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET  |   | GE 10                       | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0  |  |
| NO CEIL  | 1 | 60.6                        | 61.4 | 61.6 | 62.2 | 62.2 | 62.2     | 62.2 | 62.2     | 62.2     | 62.2 | 62.2   | 62.2   | 62.2   | 62.2    | 62.2   | 62.2  |  |
| GE 20000 | 1 | 66.9                        | 68.2 | 68.6 | 68.9 | 68.9 | 68.9     | 68.9 | 68.9     | 68.9     | 68.9 | 68.9   | 68.9   | 68.9   | 68.9    | 68.9   | 68.9  |  |
| GE 18000 | 1 | 67.0                        | 68.3 | 68.7 | 69.0 | 69.0 | 69.0     | 69.0 | 69.0     | 69.0     | 69.0 | 69.0   | 69.0   | 69.0   | 69.0    | 69.0   | 69.0  |  |
| GE 16000 | 1 | 67.2                        | 68.5 | 68.9 | 69.2 | 69.2 | 69.2     | 69.2 | 69.2     | 69.2     | 69.2 | 69.2   | 69.2   | 69.2   | 69.2    | 69.2   | 69.2  |  |
| GE 14000 | 1 | 67.4                        | 68.7 | 69.1 | 69.5 | 69.5 | 69.5     | 69.5 | 69.5     | 69.5     | 69.5 | 69.5   | 69.5   | 69.5   | 69.5    | 69.5   | 69.5  |  |
| GE 12000 | 1 | 69.7                        | 71.1 | 71.5 | 71.6 | 71.6 | 71.6     | 71.6 | 71.6     | 71.6     | 71.6 | 71.6   | 71.6   | 71.6   | 71.6    | 71.6   | 71.6  |  |
| GE 10000 | 1 | 71.1                        | 72.5 | 72.9 | 73.2 | 73.2 | 73.2     | 73.2 | 73.2     | 73.2     | 73.2 | 73.2   | 73.2   | 73.2   | 73.2    | 73.2   | 73.2  |  |
| GE 9000  | 1 | 71.1                        | 72.5 | 72.9 | 73.2 | 73.2 | 73.2     | 73.2 | 73.2     | 73.2     | 73.2 | 73.2   | 73.2   | 73.2   | 73.2    | 73.2   | 73.2  |  |
| GE 8000  | 1 | 72.2                        | 73.9 | 74.3 | 74.6 | 74.6 | 74.6     | 74.6 | 74.6     | 74.6     | 74.6 | 74.6   | 74.6   | 74.6   | 74.6    | 74.6   | 74.6  |  |
| GE 7000  | 1 | 73.4                        | 75.2 | 75.6 | 75.9 | 75.9 | 75.9     | 75.9 | 75.9     | 75.9     | 75.9 | 75.9   | 75.9   | 75.9   | 75.9    | 75.9   | 75.9  |  |
| GE 6000  | 1 | 74.1                        | 75.8 | 76.2 | 76.6 | 76.6 | 76.6     | 76.6 | 76.6     | 76.6     | 76.6 | 76.6   | 76.6   | 76.6   | 76.6    | 76.6   | 76.6  |  |
| GE 5000  | 1 | 75.1                        | 77.0 | 77.4 | 77.7 | 77.7 | 77.7     | 77.7 | 77.7     | 77.7     | 77.7 | 77.7   | 77.7   | 77.7   | 77.7    | 77.7   | 77.7  |  |
| GE 4500  | 1 | 75.8                        | 78.1 | 78.5 | 78.8 | 78.8 | 78.8     | 78.8 | 78.8     | 78.8     | 78.8 | 78.8   | 78.8   | 78.8   | 78.8    | 78.8   | 78.8  |  |
| GE 4000  | 1 | 76.3                        | 79.1 | 79.6 | 79.9 | 79.9 | 79.9     | 79.9 | 79.9     | 79.9     | 79.9 | 79.9   | 79.9   | 79.9   | 79.9    | 79.9   | 79.9  |  |
| GE 3500  | 1 | 77.0                        | 79.8 | 80.2 | 80.5 | 80.5 | 80.5     | 80.5 | 80.5     | 80.5     | 80.5 | 80.5   | 80.5   | 80.5   | 80.5    | 80.5   | 80.5  |  |
| GE 3000  | 1 | 79.1                        | 81.0 | 81.4 | 81.7 | 81.7 | 81.7     | 81.7 | 81.7     | 81.7     | 81.7 | 81.7   | 81.7   | 81.7   | 81.7    | 81.7   | 81.7  |  |
| GE 2500  | 1 | 79.5                        | 82.6 | 83.0 | 83.3 | 83.3 | 83.3     | 83.3 | 83.3     | 83.3     | 83.3 | 83.3   | 83.3   | 83.3   | 83.3    | 83.3   | 83.3  |  |
| GE 2000  | 1 | 80.9                        | 84.1 | 84.5 | 84.8 | 84.8 | 84.8     | 84.8 | 84.8     | 84.8     | 84.8 | 84.8   | 84.8   | 84.8   | 84.8    | 84.8   | 84.8  |  |
| GE 1800  | 1 | 81.0                        | 84.3 | 84.7 | 85.1 | 85.1 | 85.1     | 85.1 | 85.1     | 85.1     | 85.1 | 85.1   | 85.1   | 85.1   | 85.1    | 85.1   | 85.1  |  |
| GE 1500  | 1 | 81.6                        | 85.2 | 85.6 | 86.0 | 86.0 | 86.0     | 86.0 | 86.0     | 86.0     | 86.0 | 86.0   | 86.0   | 86.0   | 86.0    | 86.0   | 86.0  |  |
| GE 1200  | 1 | 82.0                        | 86.6 | 87.2 | 87.6 | 87.6 | 87.6     | 87.6 | 87.6     | 87.6     | 87.6 | 87.6   | 87.6   | 87.6   | 87.6    | 87.6   | 87.6  |  |
| GE 1000  | 1 | 83.3                        | 88.9 | 89.7 | 90.1 | 90.1 | 90.1     | 90.1 | 90.1     | 90.1     | 90.1 | 90.1   | 90.1   | 90.1   | 90.1    | 90.1   | 90.1  |  |
| GE 900   | 1 | 83.7                        | 89.4 | 90.4 | 91.2 | 91.2 | 91.2     | 91.2 | 91.2     | 91.2     | 91.2 | 91.2   | 91.2   | 91.2   | 91.2    | 91.2   | 91.2  |  |
| GE 800   | 1 | 84.1                        | 90.1 | 91.4 | 92.4 | 92.4 | 92.4     | 92.4 | 92.4     | 92.4     | 92.4 | 92.4   | 92.4   | 92.4   | 92.4    | 92.4   | 92.4  |  |
| GE 700   | 1 | 84.4                        | 90.6 | 92.6 | 93.7 | 93.9 | 94.0     | 94.3 | 94.3     | 94.3     | 94.3 | 94.3   | 94.3   | 94.3   | 94.3    | 94.3   | 94.3  |  |
| GE 600   | 1 | 84.5                        | 91.2 | 93.0 | 94.4 | 94.4 | 94.6     | 95.2 | 95.2     | 95.2     | 95.2 | 95.2   | 95.2   | 95.2   | 95.2    | 95.2   | 95.2  |  |
| GE 500   | 1 | 84.5                        | 91.6 | 93.5 | 95.2 | 95.9 | 96.0     | 96.3 | 96.7     | 96.7     | 96.7 | 96.7   | 96.7   | 96.7   | 96.7    | 96.7   | 96.7  |  |
| GE 400   | 1 | 84.5                        | 91.7 | 93.9 | 95.7 | 96.5 | 96.6     | 97.3 | 98.3     | 98.3     | 98.5 | 98.6   | 98.6   | 98.6   | 98.6    | 98.6   | 98.6  |  |
| GE 300   | 1 | 84.5                        | 91.8 | 94.0 | 96.1 | 97.0 | 97.2     | 98.0 | 99.1     | 99.1     | 99.4 | 99.5   | 99.5   | 99.5   | 99.5    | 99.5   | 99.5  |  |
| GE 200   | 1 | 84.5                        | 91.8 | 94.0 | 96.1 | 97.0 | 97.2     | 98.0 | 99.1     | 99.1     | 99.4 | 99.5   | 99.5   | 99.5   | 99.6    | 99.6   | 99.6  |  |
| GE 100   | 1 | 84.5                        | 91.8 | 94.0 | 96.1 | 97.0 | 97.2     | 98.0 | 99.1     | 99.1     | 99.4 | 99.5   | 99.5   | 99.6   | 100.0   | 100.0  | 100.0 |  |
| GE 0     | 1 | 84.5                        | 91.8 | 94.0 | 96.1 | 97.0 | 97.2     | 98.0 | 99.1     | 99.1     | 99.4 | 99.5   | 99.5   | 99.6   | 100.0   | 100.0  | 100.0 |  |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 2100-2300

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |      |       |       |      |      |      |      |      |      |      |      |    |
|----------|------|-----------------------------|------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|----|
| IN       | FEET | GE                          | GE   | GE   | GE   | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE   | GE |
|          |      | 10                          | 5    | 4    | 3    | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0    |      |    |
| NJ CEIL  | 1    | 61.1                        | 62.4 | 62.9 | 63.0 | 63.0 | 63.0  | 63.0  | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.1 |    |
| GE 20000 | 1    | 66.1                        | 67.4 | 69.0 | 68.1 | 68.1 | 68.1  | 68.1  | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.2 |    |
| GE 18000 | 1    | 66.2                        | 67.5 | 68.1 | 68.2 | 68.2 | 68.2  | 68.2  | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 |    |
| GE 16000 | 1    | 66.6                        | 67.8 | 68.4 | 68.5 | 68.5 | 68.5  | 68.5  | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.6 |    |
| GE 14000 | 1    | 67.1                        | 68.4 | 68.9 | 69.0 | 69.0 | 69.0  | 69.0  | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.1 |    |
| GE 12000 | 1    | 69.1                        | 69.6 | 70.1 | 70.2 | 70.2 | 70.2  | 70.2  | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.3 |    |
| GE 10000 | 1    | 69.4                        | 70.9 | 71.4 | 71.5 | 71.5 | 71.5  | 71.5  | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6 |    |
| GE 9000  | 1    | 69.4                        | 70.9 | 71.4 | 71.5 | 71.5 | 71.5  | 71.5  | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6 |    |
| GE 8000  | 1    | 71.1                        | 72.4 | 73.4 | 73.5 | 73.5 | 73.5  | 73.5  | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.7 |    |
| GE 7000  | 1    | 71.5                        | 73.3 | 73.9 | 74.0 | 74.0 | 74.0  | 74.0  | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.1 |    |
| GE 6000  | 1    | 72.0                        | 74.0 | 74.5 | 74.6 | 74.6 | 74.6  | 74.6  | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 |    |
| GE 5000  | 1    | 73.9                        | 75.7 | 76.2 | 76.3 | 76.3 | 76.3  | 76.3  | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.5 |    |
| GE 4500  | 1    | 74.5                        | 76.6 | 77.1 | 77.2 | 77.2 | 77.2  | 77.2  | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.3 |    |
| GE 4000  | 1    | 74.9                        | 77.1 | 77.7 | 78.0 | 78.0 | 78.0  | 78.0  | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.2 |    |
| GE 3500  | 1    | 75.4                        | 77.6 | 78.5 | 78.7 | 78.7 | 78.7  | 78.7  | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 79.1 |    |
| GE 3000  | 1    | 76.5                        | 78.6 | 79.7 | 79.9 | 79.9 | 79.9  | 79.9  | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 80.0 | 80.0 | 80.3 |    |
| GE 2500  | 1    | 77.4                        | 80.1 | 81.0 | 81.2 | 81.2 | 81.2  | 81.2  | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.6 |    |
| GE 2000  | 1    | 78.7                        | 81.7 | 82.7 | 83.0 | 83.0 | 83.0  | 83.0  | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.4 |    |
| GE 1500  | 1    | 79.4                        | 82.4 | 83.3 | 83.7 | 83.7 | 83.7  | 83.7  | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 84.1 |    |
| GE 1000  | 1    | 80.9                        | 84.1 | 85.1 | 85.4 | 85.4 | 85.4  | 85.4  | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.8 |    |
| GE 1200  | 1    | 81.1                        | 85.2 | 86.1 | 86.5 | 86.5 | 86.5  | 86.5  | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.9 |    |
| GE 1000  | 1    | 81.8                        | 86.6 | 87.5 | 88.0 | 88.0 | 88.0  | 88.0  | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.4 |    |
| GE 900   | 1    | 82.0                        | 87.3 | 88.5 | 89.2 | 89.2 | 89.2  | 89.2  | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.4 | 89.4 | 89.7 |    |
| GE 800   | 1    | 82.4                        | 88.4 | 89.7 | 91.0 | 91.0 | 91.0  | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.4 |    |
| GE 700   | 1    | 82.5                        | 89.5 | 91.1 | 92.6 | 92.6 | 92.6  | 92.6  | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 93.0 |    |
| GE 600   | 1    | 82.1                        | 90.5 | 92.3 | 93.9 | 94.1 | 94.2  | 94.3  | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.7 |    |
| GE 500   | 1    | 83.1                        | 90.9 | 92.6 | 94.6 | 95.2 | 95.3  | 95.4  | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.6 | 95.6 | 95.9 |    |
| GE 400   | 1    | 83.1                        | 91.5 | 93.5 | 95.8 | 96.5 | 96.6  | 96.9  | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.6 |    |
| GE 300   | 1    | 83.1                        | 91.6 | 93.7 | 96.2 | 96.9 | 97.0  | 97.4  | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.6 |    |
| GE 200   | 1    | 83.1                        | 91.7 | 93.8 | 96.3 | 97.0 | 97.1  | 97.6  | 98.3 | 98.4 | 98.7 | 98.7 | 98.8 | 99.2 | 99.2 | 99.6 |    |
| GE 100   | 1    | 83.1                        | 91.7 | 93.8 | 96.3 | 97.0 | 97.1  | 97.6  | 98.3 | 98.4 | 98.7 | 98.7 | 98.8 | 99.2 | 99.2 | 99.6 |    |
| GE 0     | 1    | 83.1                        | 91.7 | 93.8 | 96.3 | 97.0 | 97.1  | 97.6  | 98.3 | 98.4 | 98.7 | 98.7 | 98.8 | 99.2 | 99.2 | 99.6 |    |
| GE 0     | 1    | 83.1                        | 91.7 | 93.8 | 96.3 | 97.0 | 97.1  | 97.6  | 98.3 | 98.4 | 98.7 | 98.7 | 98.8 | 99.2 | 99.2 | 99.6 |    |

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |       |      |       |       |      |      |      |      |      |      |       |      |    |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|------|----|
| IN       | GE   | GE                          | GE   | GE   | GE   | GE    | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE    | GE   | GE |
| FEET     | 10   | 6                           | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0     |      |    |
| NO CEIL  | 59.5 | 59.2                        | 59.4 | 59.7 | 59.7 | 59.7  | 59.7 | 59.7  | 59.7  | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.8  | 59.8 |    |
| GE 20000 | 64.4 | 65.3                        | 65.5 | 65.8 | 65.8 | 65.8  | 65.8 | 65.8  | 65.8  | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9  |      |    |
| GE 18000 | 64.8 | 65.6                        | 65.6 | 66.1 | 66.1 | 66.1  | 66.1 | 66.1  | 66.2  | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.3 |    |
| GE 16000 | 64.9 | 65.7                        | 66.0 | 66.2 | 66.3 | 66.3  | 66.3 | 66.3  | 66.3  | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3  | 66.4 |    |
| GE 14000 | 65.7 | 66.5                        | 66.8 | 67.0 | 67.1 | 67.1  | 67.1 | 67.1  | 67.1  | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1  | 67.2 |    |
| GE 12000 | 67.2 | 68.1                        | 68.3 | 68.6 | 68.6 | 68.6  | 68.6 | 68.6  | 68.6  | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7  | 68.7 |    |
| GE 10000 | 68.6 | 69.7                        | 69.9 | 70.2 | 70.3 | 70.3  | 70.3 | 70.3  | 70.3  | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3  | 70.4 |    |
| GE 9000  | 68.9 | 69.8                        | 70.1 | 70.4 | 70.4 | 70.4  | 70.4 | 70.4  | 70.4  | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5  | 70.6 |    |
| GE 8000  | 70.2 | 71.3                        | 71.5 | 71.8 | 71.9 | 71.9  | 71.9 | 71.9  | 71.9  | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9  | 72.0 |    |
| GE 7000  | 70.7 | 71.8                        | 72.0 | 72.4 | 72.4 | 72.4  | 72.4 | 72.4  | 72.4  | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4  | 72.5 |    |
| GE 6000  | 71.2 | 72.3                        | 72.5 | 72.8 | 72.9 | 72.9  | 72.9 | 72.9  | 72.9  | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9  | 73.0 |    |
| GE 5000  | 72.2 | 73.5                        | 73.7 | 74.1 | 74.1 | 74.1  | 74.1 | 74.1  | 74.1  | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2  | 74.2 |    |
| GE 4500  | 72.9 | 74.3                        | 74.5 | 74.9 | 74.9 | 74.9  | 74.9 | 74.9  | 74.9  | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0  | 75.1 |    |
| GE 4000  | 73.5 | 75.1                        | 75.4 | 75.8 | 75.9 | 75.9  | 75.9 | 75.9  | 75.9  | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 76.0  | 76.0 |    |
| GE 3500  | 74.5 | 76.3                        | 76.6 | 77.0 | 77.0 | 77.0  | 77.0 | 77.0  | 77.1  | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  | 77.2 |    |
| GE 3000  | 75.3 | 77.2                        | 77.6 | 78.0 | 78.0 | 78.0  | 78.0 | 78.1  | 78.1  | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1  | 78.2 |    |
| GE 2500  | 76.5 | 78.6                        | 79.0 | 79.4 | 79.5 | 79.5  | 79.5 | 79.6  | 79.6  | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.7  | 79.8 |    |
| GE 2000  | 78.1 | 80.5                        | 81.0 | 81.5 | 81.6 | 81.6  | 81.6 | 81.7  | 81.7  | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8  | 81.9 |    |
| GE 1800  | 78.6 | 81.0                        | 81.5 | 82.0 | 82.1 | 82.1  | 82.2 | 82.2  | 82.3  | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4  | 82.5 |    |
| GE 1500  | 80.0 | 82.9                        | 83.4 | 83.9 | 84.0 | 84.0  | 84.1 | 84.2  | 84.2  | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3  | 84.4 |    |
| GE 1200  | 81.1 | 84.7                        | 85.2 | 85.9 | 86.0 | 86.0  | 86.1 | 86.2  | 86.2  | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4  | 86.5 |    |
| GE 1000  | 81.9 | 85.9                        | 86.6 | 87.3 | 87.5 | 87.5  | 87.6 | 87.7  | 87.7  | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9  | 88.0 |    |
| GE 900   | 82.2 | 86.8                        | 87.6 | 88.5 | 88.7 | 88.7  | 88.9 | 89.0  | 89.0  | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2  | 89.3 |    |
| GE 800   | 82.5 | 87.5                        | 88.5 | 89.6 | 89.8 | 89.8  | 90.0 | 90.2  | 90.2  | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4  | 90.5 |    |
| GE 700   | 82.7 | 88.3                        | 89.4 | 90.6 | 90.9 | 91.0  | 91.2 | 91.4  | 91.4  | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7  | 91.8 |    |
| GE 600   | 83.1 | 89.5                        | 90.8 | 92.4 | 92.9 | 93.0  | 93.3 | 93.5  | 93.5  | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8  | 93.9 |    |
| GE 500   | 83.1 | 89.6                        | 91.3 | 93.2 | 94.0 | 94.1  | 94.5 | 94.7  | 94.8  | 94.9 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1  | 95.2 |    |
| GE 400   | 83.1 | 90.1                        | 91.8 | 94.0 | 95.0 | 95.2  | 95.9 | 96.4  | 96.4  | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9  | 97.1 |    |
| GE 300   | 83.1 | 90.2                        | 92.0 | 94.4 | 95.6 | 95.6  | 96.6 | 97.4  | 97.5  | 97.8 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3  | 98.6 |    |
| GE 200   | 83.1 | 90.3                        | 92.0 | 94.4 | 95.6 | 95.9  | 96.7 | 97.5  | 97.7  | 98.1 | 98.4 | 98.5 | 98.8 | 98.9 | 99.1 | 99.5  | 99.5 |    |
| GE 100   | 83.1 | 90.3                        | 92.0 | 94.4 | 95.6 | 95.9  | 96.7 | 97.5  | 97.7  | 98.1 | 98.4 | 98.6 | 99.0 | 99.3 | 99.5 | 100.0 |      |    |
| GE 0     | 83.1 | 90.3                        | 92.0 | 94.4 | 95.6 | 95.9  | 96.7 | 97.5  | 97.7  | 98.1 | 98.4 | 98.6 | 99.0 | 99.3 | 99.5 | 100.0 |      |    |

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(LST): ALL

| CEILING  |      | VISIBILITY IN STATUTE MILES |      |      |      |       |      |       |       |      |      |      |      |      |      |       |    |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|----|
| IN FEET  | GE   | GE                          | GE   | GE   | GE   | GE    | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE    | GE |
| 1        | 10   | 6                           | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 5/16 | 1/4  | 0     |    |
| NO CEIL  | 63.9 | 65.3                        | 65.4 | 65.6 | 65.6 | 65.6  | 65.7 | 65.7  | 65.7  | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7  |    |
| GE 20000 | 71.3 | 73.0                        | 73.2 | 73.4 | 73.4 | 73.4  | 73.4 | 73.5  | 73.5  | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  |    |
| GE 18000 | 71.6 | 73.3                        | 73.5 | 73.6 | 73.7 | 73.7  | 73.7 | 73.7  | 73.7  | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8  |    |
| GE 16000 | 71.7 | 73.4                        | 73.6 | 73.6 | 73.6 | 73.6  | 73.8 | 73.9  | 73.9  | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9  |    |
| GE 14000 | 72.5 | 74.2                        | 74.4 | 74.5 | 74.6 | 74.6  | 74.6 | 74.7  | 74.7  | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7  |    |
| GE 12000 | 74.0 | 75.8                        | 76.0 | 76.1 | 76.2 | 76.2  | 76.2 | 76.2  | 76.3  | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3  |    |
| GE 10000 | 76.0 | 78.0                        | 78.2 | 78.4 | 78.4 | 78.4  | 78.4 | 78.5  | 78.5  | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5  |    |
| GE 9000  | 76.3 | 78.2                        | 78.5 | 78.6 | 78.7 | 78.7  | 78.7 | 78.7  | 78.7  | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8  |    |
| GE 8000  | 77.8 | 79.9                        | 80.1 | 80.3 | 80.4 | 80.4  | 80.4 | 80.4  | 80.4  | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5  |    |
| GE 7000  | 78.3 | 80.4                        | 80.7 | 80.9 | 80.9 | 80.9  | 81.0 | 81.0  | 81.0  | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0  |    |
| GE 6000  | 78.6 | 81.0                        | 81.2 | 81.4 | 81.5 | 81.5  | 81.5 | 81.5  | 81.5  | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6  |    |
| GE 5000  | 80.0 | 82.4                        | 82.7 | 82.9 | 83.0 | 83.0  | 83.0 | 83.0  | 83.1  | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1  |    |
| GE 4500  | 80.7 | 83.2                        | 83.5 | 83.8 | 83.8 | 83.8  | 83.9 | 83.9  | 83.9  | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0  |    |
| GE 4000  | 82.1 | 84.8                        | 85.2 | 85.4 | 85.5 | 85.5  | 85.6 | 85.6  | 85.6  | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7  |    |
| GE 3500  | 82.9 | 85.7                        | 86.1 | 86.3 | 86.4 | 86.4  | 86.5 | 86.5  | 86.5  | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6  |    |
| GE 3000  | 83.8 | 86.9                        | 87.3 | 87.6 | 87.7 | 87.7  | 87.8 | 87.8  | 87.8  | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9  |    |
| GE 2500  | 84.8 | 88.1                        | 88.5 | 88.8 | 89.9 | 89.0  | 89.0 | 89.1  | 89.1  | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1  |    |
| GE 2000  | 86.1 | 89.6                        | 90.1 | 90.4 | 90.5 | 90.6  | 90.6 | 90.7  | 90.7  | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7  |    |
| GE 1800  | 86.3 | 90.0                        | 90.4 | 90.8 | 90.9 | 90.9  | 91.0 | 91.0  | 91.0  | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1  |    |
| GE 1500  | 87.2 | 91.1                        | 91.6 | 92.0 | 92.1 | 92.2  | 92.2 | 92.3  | 92.3  | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4  |    |
| GE 1200  | 87.8 | 92.2                        | 92.8 | 93.2 | 93.4 | 93.4  | 93.5 | 93.5  | 93.6  | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6  |    |
| GE 1000  | 88.2 | 93.0                        | 93.7 | 94.2 | 94.4 | 94.4  | 94.5 | 94.5  | 94.6  | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7  |    |
| GE 900   | 88.4 | 93.6                        | 94.3 | 94.9 | 95.1 | 95.1  | 95.2 | 95.3  | 95.3  | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4  |    |
| GE 800   | 88.6 | 94.0                        | 94.8 | 95.4 | 95.7 | 95.7  | 95.8 | 95.9  | 95.9  | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0  |    |
| GE 700   | 88.6 | 94.3                        | 95.2 | 95.9 | 96.2 | 96.2  | 96.4 | 96.4  | 96.5  | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6  |    |
| GE 600   | 88.7 | 94.6                        | 95.6 | 96.5 | 96.8 | 96.9  | 97.1 | 97.2  | 97.2  | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4  |    |
| GE 500   | 88.8 | 94.9                        | 96.0 | 97.0 | 97.4 | 97.5  | 97.8 | 97.9  | 98.0  | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2  |    |
| GE 400   | 88.8 | 95.0                        | 96.1 | 97.3 | 97.8 | 97.9  | 98.3 | 98.5  | 98.6  | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9  |    |
| GE 300   | 88.8 | 95.0                        | 96.2 | 97.4 | 98.0 | 98.2  | 98.6 | 98.9  | 99.0  | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4  |    |
| GE 200   | 88.8 | 95.0                        | 96.2 | 97.4 | 98.0 | 98.2  | 98.6 | 99.0  | 99.1  | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8  |    |
| GE 100   | 88.9 | 95.0                        | 96.2 | 97.4 | 98.1 | 98.2  | 98.6 | 99.0  | 99.1  | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 |    |
| GE 0     | 88.8 | 95.0                        | 96.2 | 97.4 | 98.1 | 98.2  | 98.6 | 99.0  | 99.1  | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 |    |

TOTAL NUMBER OF OBSERVATIONS: 87641

GLOBAL CLIMATOLOGY BRANCH  
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |  |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|--|
| HOURS  <br>(LST)                                  | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |  |
| 00-02   | 34.1 |   |   | 23.4 |   |   |   |   |   | 13.3 | 29.2 | 4.8  | 924          |  |
| 03-05   | 33.9 |   |   | 21.4 |   |   |   |   |   | 13.4 | 31.4 | 5.0  | 927          |  |
| 06-08   | 21.4 |   |   | 27.3 |   |   |   |   |   | 18.4 | 32.9 | 5.8  | 927          |  |
| 09-11   | 13.2 |   |   | 28.6 |   |   |   |   |   | 21.8 | 36.2 | 6.4  | 926          |  |
| 12-14   | 12.3 |   |   | 30.8 |   |   |   |   |   | 21.0 | 36.0 | 6.4  | 930          |  |
| 15-17   | 12.7 |   |   | 31.0 |   |   |   |   |   | 23.8 | 32.5 | 6.3  | 929          |  |
| 18-20   | 16.1 |   |   | 31.9 |   |   |   |   |   | 22.7 | 29.3 | 5.9  | 919          |  |
| 21-23   | 31.1 |   |   | 22.0 |   |   |   |   |   | 17.0 | 29.4 | 5.1  | 926          |  |
| TOTALS  | 21.9 |   |   | 27.2 |   |   |   |   |   | 18.9 | 32.1 | 5.7  | 7408         |  |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |  |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|--|
| HOURS  <br>(LST)                                  | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |  |
| 00-02   | 30.6 |   |   | 25.4 |   |   |   |   |   | 12.6 | 31.4 | 5.0  | 842          |  |
| 03-05   | 30.7 |   |   | 22.8 |   |   |   |   |   | 12.0 | 34.6 | 5.2  | 845          |  |
| 06-08   | 18.3 |   |   | 28.0 |   |   |   |   |   | 19.1 | 34.6 | 6.0  | 843          |  |
| 09-11   | 13.3 |   |   | 24.0 |   |   |   |   |   | 20.6 | 37.2 | 6.4  | 845          |  |
| 12-14   | 13.8 |   |   | 29.2 |   |   |   |   |   | 21.7 | 35.4 | 6.4  | 840          |  |
| 15-17   | 11.4 |   |   | 31.6 |   |   |   |   |   | 23.4 | 33.5 | 6.4  | 832          |  |
| 18-20   | 12.4 |   |   | 30.4 |   |   |   |   |   | 21.0 | 30.2 | 6.0  | 841          |  |
| 21-23   | 28.6 |   |   | 24.0 |   |   |   |   |   | 12.3 | 29.5 | 4.9  | 845          |  |
| TOTALS  | 19.9 |   |   | 24.0 |   |   |   |   |   | 17.8 | 33.3 | 5.6  | 6733         |  |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |  |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|--|
| HOURS<br>(LST)                                    | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |  |
| 00-02   | 37.1 |   |   | 25.9 |   |   |   |   |   | 13.1 | 23.9 | 4.3  | 927          |  |
| 03-05   | 34.4 |   |   | 25.2 |   |   |   |   |   | 12.8 | 27.6 | 4.7  | 928          |  |
| 06-08   | 19.5 |   |   | 31.1 |   |   |   |   |   | 18.9 | 30.5 | 5.7  | 925          |  |
| 09-11   | 15.9 |   |   | 29.6 |   |   |   |   |   | 22.9 | 31.6 | 6.1  | 930          |  |
| 12-14   | 13.1 |   |   | 33.5 |   |   |   |   |   | 25.0 | 28.4 | 6.1  | 924          |  |
| 15-17   | 10.8 |   |   | 34.1 |   |   |   |   |   | 26.7 | 28.4 | 6.3  | 918          |  |
| 18-20   | 14.9 |   |   | 35.8 |   |   |   |   |   | 23.3 | 26.0 | 5.8  | 911          |  |
| 21-23   | 31.6 |   |   | 29.6 |   |   |   |   |   | 16.3 | 22.3 | 4.6  | 919          |  |
| TOTALS  | 22.2 |   |   | 30.6 |   |   |   |   |   | 19.9 | 27.3 | 5.5  | 7382         |  |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |  |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|--|
| HOURS<br>(LST)                                    | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |  |
| 00-02   | 39.5 |   |   | 25.6 |   |   |   |   |   | 13.2 | 21.5 | 4.1  | 892          |  |
| 03-05   | 37.8 |   |   | 27.2 |   |   |   |   |   | 12.9 | 22.1 | 4.2  | 894          |  |
| 06-08   | 16.3 |   |   | 30.0 |   |   |   |   |   | 22.8 | 24.9 | 5.6  | 895          |  |
| 09-11   | 17.9 |   |   | 35.3 |   |   |   |   |   | 23.5 | 23.2 | 5.5  | 897          |  |
| 12-14   | 14.8 |   |   | 40.0 |   |   |   |   |   | 22.5 | 22.7 | 5.5  | 890          |  |
| 15-17   | 13.5 |   |   | 42.7 |   |   |   |   |   | 25.7 | 18.1 | 5.4  | 883          |  |
| 18-20   | 16.9 |   |   | 39.1 |   |   |   |   |   | 26.2 | 17.8 | 5.3  | 875          |  |
| 21-23   | 34.9 |   |   | 30.0 |   |   |   |   |   | 16.7 | 18.4 | 4.2  | 882          |  |
| TOTALS  | 24.0 |   |   | 34.5 |   |   |   |   |   | 20.4 | 21.1 | 5.0  | 7108         |  |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAY

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS<br>(LST)                                    | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |
| 00-02   | 35.2 |   |   | 28.7 |   |   |   |   |   | 15.7 | 20.4 | 4.3  | 928          |
| 03-05   | 25.0 |   |   | 34.3 |   |   |   |   |   | 17.6 | 23.2 | 4.5  | 928          |
| 06-08   | 11.1 |   |   | 34.2 |   |   |   |   |   | 31.0 | 23.7 | 6.2  | 928          |
| 09-11   | 12.5 |   |   | 34.2 |   |   |   |   |   | 28.9 | 24.5 | 6.1  | 928          |
| 12-14   | 11.9 |   |   | 35.5 |   |   |   |   |   | 32.7 | 19.9 | 6.0  | 930          |
| 15-17   | 10.2 |   |   | 39.7 |   |   |   |   |   | 33.0 | 17.1 | 5.9  | 923          |
| 18-20   | 12.3 |   |   | 41.4 |   |   |   |   |   | 28.5 | 17.8 | 5.6  | 918          |
| 21-23   | 26.4 |   |   | 36.4 |   |   |   |   |   | 16.8 | 20.4 | 4.6  | 922          |
| TOTALS  | 18.1 |   |   | 35.6 |   |   |   |   |   | 25.5 | 20.9 | 5.5  | 7405         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS<br>(LST)                                    | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |
| 00-02   | 36.3 |   |   | 29.2 |   |   |   |   |   | 16.5 | 18.0 | 4.2  | 898          |
| 03-05   | 26.3 |   |   | 35.5 |   |   |   |   |   | 20.3 | 17.9 | 4.7  | 897          |
| 06-08   | 12.3 |   |   | 39.1 |   |   |   |   |   | 32.8 | 16.8 | 5.8  | 897          |
| 09-11   | 9.8  |   |   | 43.4 |   |   |   |   |   | 32.4 | 14.4 | 5.7  | 898          |
| 12-14   | 8.7  |   |   | 49.3 |   |   |   |   |   | 30.6 | 11.4 | 5.4  | 900          |
| 15-17   | 9.1  |   |   | 52.6 |   |   |   |   |   | 29.7 | 8.4  | 5.1  | 900          |
| 18-20   | 9.2  |   |   | 53.2 |   |   |   |   |   | 27.3 | 10.2 | 5.1  | 900          |
| 21-23   | 22.6 |   |   | 43.3 |   |   |   |   |   | 19.9 | 14.1 | 4.5  | 898          |
| TOTALS  | 16.8 |   |   | 43.1 |   |   |   |   |   | 26.2 | 13.9 | 5.1  | 7188         |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |     |      |              |
|---|------|---|---|------|---|---|---|---|---|------|-----|------|--------------|
| HOURS<br>(LST)                                    | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10  | MEAN | TOTAL<br>OBS |
| 00-02   | 47.4 |   |   | 31.5 |   |   |   |   |   | 13.4 | 7.8 | 2.9  | 927          |
| 03-05   | 40.0 |   |   | 37.5 |   |   |   |   |   | 14.4 | 8.1 | 3.2  | 928          |
| 06-08   | 17.5 |   |   | 53.7 |   |   |   |   |   | 21.3 | 7.6 | 4.3  | 927          |
| 09-11   | 19.0 |   |   | 54.9 |   |   |   |   |   | 21.1 | 6.0 | 4.1  | 929          |
| 12-14   | 7.0  |   |   | 65.1 |   |   |   |   |   | 21.2 | 6.8 | 4.5  | 930          |
| 15-17   | 4.5  |   |   | 65.3 |   |   |   |   |   | 23.0 | 7.2 | 4.7  | 930          |
| 18-20   | 6.0  |   |   | 64.0 |   |   |   |   |   | 17.8 | 7.1 | 4.4  | 930          |
| 21-23   | 31.9 |   |   | 50.1 |   |   |   |   |   | 12.7 | 5.3 | 3.2  | 928          |
| TOTALS  | 21.5 |   |   | 53.4 |   |   |   |   |   | 18.1 | 7.0 | 3.9  | 7429         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS<br>(LST)                                    | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |
| 00-02   | 39.8 |   |   | 32.9 |   |   |   |   |   | 16.2 | 11.1 | 3.6  | 930          |
| 03-05   | 37.6 |   |   | 36.0 |   |   |   |   |   | 14.7 | 11.1 | 3.5  | 930          |
| 06-08   | 12.8 |   |   | 53.0 |   |   |   |   |   | 23.8 | 10.5 | 4.8  | 925          |
| 09-11   | 11.5 |   |   | 55.3 |   |   |   |   |   | 25.2 | 7.9  | 4.7  | 927          |
| 12-14   | 2.8  |   |   | 56.9 |   |   |   |   |   | 31.7 | 8.6  | 5.4  | 930          |
| 15-17   | 2.2  |   |   | 58.3 |   |   |   |   |   | 32.7 | 6.9  | 5.4  | 930          |
| 18-20   | 4.0  |   |   | 59.2 |   |   |   |   |   | 30.6 | 6.1  | 5.1  | 927          |
| 21-23   | 26.2 |   |   | 44.6 |   |   |   |   |   | 18.8 | 10.2 | 4.1  | 927          |
| TOTALS  | 17.1 |   |   | 49.6 |   |   |   |   |   | 24.2 | 9.1  | 4.6  | 7426         |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: SEP

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS  <br>(LST)                                  | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |
| 00-02   | 37.6 |   |   | 34.1 |   |   |   |   |   | 12.3 | 16.0 | 3.7  | 894          |
| 03-05   | 32.0 |   |   | 30.2 |   |   |   |   |   | 14.4 | 15.5 | 4.0  | 898          |
| 06-08   | 10.7 |   |   | 45.5 |   |   |   |   |   | 26.8 | 17.0 | 5.6  | 892          |
| 09-11   | 10.9 |   |   | 46.4 |   |   |   |   |   | 25.4 | 17.4 | 5.4  | 893          |
| 12-14   | 6.3  |   |   | 50.1 |   |   |   |   |   | 29.3 | 14.3 | 5.6  | 898          |
| 15-17   | 6.1  |   |   | 48.8 |   |   |   |   |   | 31.7 | 13.4 | 5.7  | 900          |
| 18-20   | 9.4  |   |   | 53.3 |   |   |   |   |   | 23.1 | 14.1 | 5.1  | 900          |
| 21-23   | 32.1 |   |   | 30.9 |   |   |   |   |   | 18.2 | 12.8 | 4.0  | 897          |
| TOTALS  | 18.1 |   |   | 44.2 |   |   |   |   |   | 22.7 | 15.1 | 4.9  | 7172         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS  <br>(LST)                                  | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |
| 00-02   | 38.7 |   |   | 25.5 |   |   |   |   |   | 15.5 | 20.3 | 4.2  | 927          |
| 03-05   | 35.6 |   |   | 27.0 |   |   |   |   |   | 12.7 | 24.6 | 4.4  | 926          |
| 06-08   | 20.1 |   |   | 35.7 |   |   |   |   |   | 21.7 | 22.5 | 5.3  | 927          |
| 09-11   | 16.7 |   |   | 37.2 |   |   |   |   |   | 23.8 | 22.3 | 5.5  | 928          |
| 12-14   | 13.4 |   |   | 41.7 |   |   |   |   |   | 26.5 | 18.3 | 5.5  | 927          |
| 15-17   | 12.0 |   |   | 40.5 |   |   |   |   |   | 27.1 | 14.4 | 5.3  | 925          |
| 18-20   | 17.8 |   |   | 43.6 |   |   |   |   |   | 20.3 | 16.3 | 4.8  | 926          |
| 21-23   | 34.0 |   |   | 31.4 |   |   |   |   |   | 15.5 | 19.1 | 4.2  | 930          |
| TOTALS  | 23.5 |   |   | 30.3 |   |   |   |   |   | 20.4 | 19.7 | 4.9  | 7416         |

GLOBAL CLIMATOLOGY BRANCH  
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AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: NOV

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS<br>(LST)                                    | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |
| 00-02   | 39.7 |   |   | 23.6 |   |   |   |   |   | 13.8 | 23.6 | 4.3  | 900          |
| 03-05   | 41.5 |   |   | 20.2 |   |   |   |   |   | 13.5 | 24.8 | 4.3  | 898          |
| 06-08   | 23.2 |   |   | 31.2 |   |   |   |   |   | 19.1 | 26.5 | 5.3  | 895          |
| 09-11   | 16.4 |   |   | 31.6 |   |   |   |   |   | 23.0 | 29.0 | 5.9  | 900          |
| 12-14   | 13.2 |   |   | 39.5 |   |   |   |   |   | 20.7 | 26.6 | 5.7  | 899          |
| 15-17   | 13.1 |   |   | 37.2 |   |   |   |   |   | 25.2 | 24.5 | 5.8  | 894          |
| 18-20   | 18.8 |   |   | 37.7 |   |   |   |   |   | 20.0 | 23.5 | 5.3  | 899          |
| 21-23   | 36.2 |   |   | 20.9 |   |   |   |   |   | 15.1 | 25.8 | 4.6  | 900          |
| TOTALS  | 25.3 |   |   | 30.4 |   |   |   |   |   | 18.8 | 25.5 | 5.2  | 7185         |

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |   |   |      |   |   |   |   |   |      |      |      |              |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS<br>(LST)                                    | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | MEAN | TOTAL<br>OBS |
| 00-02   | 38.8 |   |   | 20.3 |   |   |   |   |   | 10.2 | 30.6 | 4.6  | 927          |
| 03-05   | 40.6 |   |   | 19.3 |   |   |   |   |   | 9.1  | 31.1 | 4.5  | 924          |
| 06-08   | 23.3 |   |   | 30.2 |   |   |   |   |   | 16.1 | 30.5 | 5.4  | 928          |
| 09-11   | 14.1 |   |   | 30.1 |   |   |   |   |   | 23.6 | 32.1 | 6.2  | 927          |
| 12-14   | 11.8 |   |   | 31.5 |   |   |   |   |   | 23.1 | 32.5 | 6.3  | 929          |
| 15-17   | 12.5 |   |   | 32.3 |   |   |   |   |   | 25.1 | 30.1 | 6.2  | 923          |
| 18-20   | 19.9 |   |   | 33.3 |   |   |   |   |   | 17.2 | 29.5 | 5.5  | 924          |
| 21-23   | 33.7 |   |   | 24.6 |   |   |   |   |   | 11.8 | 30.0 | 4.8  | 924          |
| TOTALS  | 24.3 |   |   | 27.8 |   |   |   |   |   | 17.0 | 30.8 | 5.4  | 7406         |



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PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87  
MONTH: ALL

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |                |      |   |   |      |   |   |   |   |      |      |     |      |              |
|---|----------------|------|---|---|------|---|---|---|---|------|------|-----|------|--------------|
|   | HOURS<br>(LST) | 0    | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8    | 9    | 10  | MEAN | TOTAL<br>OBS |
| JAN   | ALL            | 21.9 |   |   | 27.2 |   |   |   |   | 18.9 | 32.1 | 5.7 |      | 7408         |
| FEB   |                | 19.9 |   |   | 29.0 |   |   |   |   | 17.8 | 33.3 | 5.8 |      | 6733         |
| MAR   |                | 22.2 |   |   | 30.6 |   |   |   |   | 19.9 | 27.3 | 5.5 |      | 7382         |
| APR   |                | 24.0 |   |   | 34.5 |   |   |   |   | 20.4 | 21.1 | 5.0 |      | 7108         |
| MAY   |                | 19.1 |   |   | 35.6 |   |   |   |   | 25.5 | 20.9 | 5.5 |      | 7405         |
| JUN   |                | 16.8 |   |   | 43.1 |   |   |   |   | 26.2 | 13.9 | 5.1 |      | 7188         |
| JUL   |                | 21.5 |   |   | 53.4 |   |   |   |   | 18.1 | 7.0  | 3.9 |      | 7429         |
| AUG   |                | 17.1 |   |   | 49.0 |   |   |   |   | 24.2 | 9.1  | 4.6 |      | 7426         |
| SEP   |                | 18.1 |   |   | 44.2 |   |   |   |   | 22.7 | 15.1 | 4.9 |      | 7172         |
| OCT   |                | 23.5 |   |   | 30.3 |   |   |   |   | 20.4 | 19.7 | 4.9 |      | 7416         |
| NOV   |                | 25.3 |   |   | 30.4 |   |   |   |   | 18.8 | 25.5 | 5.2 |      | 7185         |
| DEC   |                | 24.3 |   |   | 27.8 |   |   |   |   | 17.0 | 30.8 | 5.4 |      | 7406         |
| TOTALS  |                | 21.1 |   |   | 30.6 |   |   |   |   | 20.8 | 21.3 | 5.1 |      | 87258        |

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## TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 30 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

### EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

### MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS (Y MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
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CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722665

STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| TEMP(F)   | JAN    | FEB    | MAR    | APR    | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV    | DEC    | ANNUAL |
|-----------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| GE 100    |        |        |        |        | .3    | .8    | 1.1   | 1.2   | .1    |       |        |        | .3     |
| GE 100    |        |        |        |        | 1.3   | 6.8   | 16.8  | 15.5  | 2.7   | .3    |        |        | 3.7    |
| GE 95     |        |        | .3     | 1.7    | 4.7   | 26.8  | 55.3  | 52.1  | 16.8  | 1.1   | .1     |        | 14.1   |
| GE 90     |        |        | 1.8    | 6.6    | 25.1  | 61.4  | 83.3  | 78.4  | 41.4  | 7.1   | .2     |        | 26.1   |
| GE 85     | .2     | 1.5    | 6.4    | 23.2   | 47.9  | 82.4  | 93.7  | 91.1  | 63.8  | 21.4  | 1.6    | .1     | 36.6   |
| GE 80     | 1.4    | 5.7    | 15.2   | 43.8   | 70.4  | 93.3  | 98.2  | 97.2  | 77.6  | 40.3  | 7.7    | .9     | 46.5   |
| GE 75     | 5.6    | 13.6   | 29.7   | 60.6   | 84.6  | 97.7  | 99.4  | 99.1  | 87.7  | 61.8  | 25.4   | 5.3    | 56.3   |
| GE 70     | 14.4   | 23.6   | 48.9   | 77.3   | 94.3  | 99.2  | 100.0 | 99.8  | 94.1  | 79.7  | 40.4   | 15.8   | 66.0   |
| GE 65     | 25.2   | 36.3   | 64.6   | 87.0   | 97.7  | 99.9  | 100.0 | 100.0 | 97.7  | 88.7  | 54.7   | 20.4   | 73.8   |
| GE 60     | 36.4   | 51.0   | 75.7   | 92.2   | 99.2  | 100.0 |       |       | 98.9  | 94.2  | 69.0   | 45.1   | 80.7   |
| GE 55     | 51.7   | 65.6   | 84.6   | 97.0   | 99.5  |       |       |       | 99.5  | 97.2  | 79.6   | 69.8   | 86.5   |
| GE 50     | 66.6   | 76.2   | 91.7   | 99.4   | 100.0 |       |       |       | 99.9  | 98.8  | 88.5   | 72.3   | 91.2   |
| GE 45     | 76.1   | 84.5   | 95.6   | 99.9   |       |       |       |       | 100.0 | 99.5  | 94.2   | 82.8   | 94.5   |
| GE 40     | 84.0   | 91.4   | 97.5   | 100.0  |       |       |       |       |       | 100.0 | 97.7   | 89.8   | 96.7   |
| GE 35     | 91.3   | 96.0   | 99.4   |        |       |       |       |       |       |       | 99.3   | 95.0   | 98.3   |
| GE 30     | 96.3   | 98.4   | 99.9   |        |       |       |       |       |       |       |        | 99.7   | 99.3   |
| GE 25     | 98.1   | 99.6   | 100.0  |        |       |       |       |       |       |       | 100.0  | 99.5   | 99.8   |
| GE 20     | 99.2   | 99.9   |        |        |       |       |       |       |       |       |        |        | 99.9   |
| GE 15     | 100.0  |        |        |        |       |       |       |       |       |       |        | 99.7   | 100.0  |
| GE 10     |        | 100.0  |        |        |       |       |       |       |       |       |        | 100.0  | 100.0  |
| MEAN      | 54.4   | 59.1   | 67.5   | 76.6   | 83.5  | 91.4  | 94.4  | 93.7  | 86.0  | 76.4  | 64.9   | 56.8   | 75.3   |
| SU        | 13.793 | 13.401 | 12.084 | 10.216 | 8.547 | 6.660 | 5.703 | 6.209 | 9.161 | 9.827 | 11.766 | 12.434 | 17.358 |
| TOTAL OPS | 1023   | 932    | 1023   | 996    | 1054  | 1020  | 1054  | 1054  | 990   | 1023  | 990    | 1054   | 12213  |

GLOBAL CLIMATOLOGY BRANCH  
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CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 702665

STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| TEMP (F)  | JAN    | FEB    | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|-----------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| GE 60     |        |        |       |       |       | .6    | 3.3   | 3.7   | .1    |       |       |       | .7     |
| GE 75     |        |        |       |       | 2.0   | 14.5  | 38.4  | 33.0  | 8.0   | .3    |       |       | 8.2    |
| GE 78     |        |        |       | 1.3   | 13.3  | 50.3  | 78.5  | 71.8  | 25.7  | 4.5   |       |       | 21.7   |
| GE 65     |        |        | .9    | 10.4  | 36.5  | 80.4  | 97.5  | 94.3  | 60.4  | 15.9  | 1.1   | .1    | 33.7   |
| GE 67     |        | .6     | 5.7   | 26.4  | 63.9  | 94.5  | 99.9  | 99.0  | 77.6  | 32.0  | 6.5   | .6    | 42.8   |
| GE 15     | 1.4    | 4.7    | 15.5  | 46.1  | 82.4  | 98.4  | 100.0 | 99.8  | 99.3  | 50.7  | 14.7  | 2.6   | 51.0   |
| GE 50     | 4.6    | 11.6   | 28.7  | 65.0  | 92.4  | 100.0 |       | 100.0 | 96.4  | 71.1  | 26.2  | 8.1   | 59.1   |
| GE 45     | 10.6   | 21.2   | 45.5  | 81.8  | 97.4  |       |       |       | 99.1  | 86.9  | 42.7  | 15.4  | 67.1   |
| GE 47     | 11.5   | 30.1   | 64.5  | 91.1  | 99.8  |       |       |       | 99.8  | 95.4  | 64.3  | 28.4  | 75.4   |
| GE 35     | 39.0   | 55.4   | 80.9  | 97.3  | 100.0 |       |       |       | 100.0 | 99.2  | 80.4  | 45.2  | 83.6   |
| GE 32     | 46.4   | 64.2   | 86.0  | 96.1  |       |       |       |       |       | 99.7  | 86.6  | 59.0  | 86.9   |
| GE 37     | 56.4   | 75.2   | 92.2  | 99.1  |       |       |       |       |       | 99.9  | 93.0  | 73.8  | 91.1   |
| GE 25     | 77.4   | 88.9   | 97.3  | 100.0 |       |       |       |       |       | 97.7  | 87.6  | 67.6  | 95.8   |
| GE 27     | 77.4   | 96.7   | 99.1  |       |       |       |       |       |       | 100.0 | 99.4  | 54.9  | 98.1   |
| GE 18     | 74.3   | 97.2   | 99.6  |       |       |       |       |       |       |       | 100.0 | 98.1  | 99.3   |
| GE 17     | 73.6   | 99.7   |       |       |       |       |       |       |       |       |       | 99.2  | 99.7   |
| GE 14     | 75.8   | 99.8   | 100.0 |       |       |       |       |       |       |       |       | 99.8  | 100.0  |
| GE 11     | 75.9   | 99.9   |       |       |       |       |       |       |       |       |       | 100.0 | 100.0  |
| GE 10     |        | 100.0  |       |       |       |       |       |       |       |       |       |       | 100.0  |
| GE 10     | 100.0  |        |       |       |       |       |       |       |       |       |       |       | 100.0  |
| MEAN      | 11.5   | 36.4   | 45.5  | 52.4  | 51.3  | 68.9  | 72.8  | 72.0  | 65.3  | 54.7  | 43.3  | 34.8  | 53.1   |
| SD        | 10.346 | 10.265 | 9.997 | 9.069 | 7.478 | 5.481 | 4.097 | 4.676 | 7.666 | 8.681 | 9.838 | 9.578 | 16.654 |
| TOTAL OBS | 1023   | 932    | 1023  | 996   | 1074  | 1020  | 1054  | 1054  | 990   | 1023  | 990   | 1054  | 12213  |

GLOBAL CLIMATOLOGY BRANCH  
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CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 702665

STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| TEMP(F)   | JAN    | FEB    | MAR    | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV    | DEC    | ANNUAL |
|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| OF 50     |        |        |        |       | .3    | 2.4   | 6.3   | 7.5   | .7    |       |        |        | .0     |
| OF 51     |        |        |        |       |       |       |       |       |       |       |        |        | 1.6    |
| OF 52     |        |        |        | .1    | 2.9   | 7.5   | 47.5  | 45.0  | 10.8  | .3    |        |        | 10.9   |
| OF 53     |        |        | .2     | 3.0   | 13.6  | 18.0  | 82.9  | 76.3  | 76.7  | 4.2   | .1     |        | 23.9   |
| OF 54     |        | .1     | 2.3    | 14.5  | 42.6  | 62.3  | 97.0  | 94.7  | 61.5  | 17.4  | .4     |        | 35.0   |
| OF 55     | .1     | 1.3    | 5.8    | 32.9  | 67.7  | 95.3  | 99.7  | 99.0  | 78.3  | 34.6  | 6.3    | .4     | 44.3   |
| OF 56     | 1.5    | 7.0    | 20.4   | 53.9  | 80.4  | 99.0  | 100.0 | 99.9  | 91.9  | 56.5  | 18.4   | 3.3    | 53.7   |
| OF 57     | 6.8    | 16.2   | 37.7   | 73.9  | 94.7  | 99.9  | 100.0 | 97.0  | 78.5  | 31.8  | 10.2   |        | 62.7   |
| OF 58     | 11.9   | 26.5   | 55.2   | 86.9  | 99.0  | 100.0 |       |       | 99.1  | 90.2  | 49.2   | 20.4   | 70.6   |
| OF 59     | 18.0   | 45.0   | 75.4   | 94.3  | 99.5  |       |       |       | 99.9  | 96.4  | 68.7   | 37.9   | 79.0   |
| OF 60     | 28.2   | 63.3   | 86.6   | 98.6  | 100.0 |       |       |       | 100.0 | 98.8  | 82.3   | 57.0   | 86.4   |
| OF 61     | 38.6   | 77.6   | 93.5   | 99.8  |       |       |       |       |       | 99.9  | 92.2   | 74.1   | 92.0   |
| OF 62     | 47.9   | 86.6   | 97.3   | 100.0 |       |       |       |       |       |       | 99.2   | 87.8   | 95.8   |
| OF 63     | 56.9   | 95.1   | 99.0   |       |       |       |       |       |       |       | 99.8   | 94.5   | 97.9   |
| OF 64     | 63.5   | 94.5   | 100.0  |       |       |       |       |       |       |       |        | 99.8   | 99.2   |
| OF 65     | 67.8   | 99.6   |        |       |       |       |       |       |       |       |        | 100.0  | 99.7   |
| OF 66     | 69.4   | 99.6   |        |       |       |       |       |       |       |       |        |        | 99.9   |
| OF 67     | 70.0   | 99.9   |        |       |       |       |       |       |       |       |        |        | 99.6   |
| OF 68     | 70.0   | 100.0  |        |       |       |       |       |       |       |       |        |        | 100.0  |
| OF 69     |        |        |        |       |       |       |       |       |       |       |        |        | 100.0  |
| OF 70     |        |        |        |       |       |       |       |       |       |       |        |        | 100.0  |
| MEAN      | 43.2   | 44.5   | 55.7   | 64.9  | 72.7  | 79.9  | 83.8  | 83.1  | 75.9  | 65.8  | 54.3   | 46.0   | 64.4   |
| SD        | 11.167 | 10.889 | 10.262 | 9.670 | 7.761 | 5.710 | 4.510 | 5.010 | 7.746 | 8.533 | 10.037 | 10.143 | 16.592 |
| TOTAL OBS | 1023   | 952    | 1023   | 996   | 1054  | 1000  | 1054  | 1054  | 990   | 1023  | 990    | 1054   | 12213  |

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 700665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-67

| YEAR | ANGLE DLGRFES FAHRENHEIT |     |     |     |     |     |     |     |     |     |     |     | ALL MONTHS |
|------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
|      | JAN                      | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |            |
| 43   |                          |     |     |     |     |     |     |     |     |     |     |     | 70         |
| 44   | 79                       | 75  | 67  | 95  | 94  | 101 | 106 | 106 | 95  | 88  | 87  | 71  | 106        |
| 45   | 74                       | 63  | 66  | 88  | 100 | 104 | 100 | 105 | 98  | 90  | 92  | 75  | 105        |
| 56   |                          |     |     | 94  | 96  | 104 | 104 | 106 | 100 | 96  | 81  | 78  |            |
| 57   | 50                       | 95  | 62  | 92  | 99  | 102 | 104 | 103 | 99  | 90  | 81  | 74  | 104        |
| 58   | 71                       | 73  | 73  | 94  | 94  | 102 | 103 | 102 | 95  | 93  | 79  | 86  | 103        |
| 59   | 75                       | 92  | 90  | 97  | 94  | 101 | 97  | 104 | 103 | 89  | 78  | 73  | 104        |
| 60   | 72                       | 90  | 90  | 93  | 104 | 106 | 106 | 99  | 101 | 91  | 83  | 69  | 108        |
| 61   | 71                       | 81  | 65  | 95  | 98  | 94  | 93  | 98  | 98  | 87  | 83  | 74  | 98         |
| 62   | 73                       | 96  | 68  | 90  | 100 | 99  | 101 | 103 | 94  | 97  | 85  | 77  | 103        |
| 63   | 80                       | 90  | 90  | 77  | 77  | 97  | 101 | 100 | 98  | 91  | 86  | 72  | 101        |
| 64   | 79                       | 69  | 84  | 94  | 95  | 103 | 104 | 108 | 94  | 94  | 82  | 83  | 108        |
| 65   | 76                       | 79  | 80  | 94  | 88  | 94  | 101 | 100 | 103 | 93  | 87  | 74  | 103        |
| 66   | 71                       | 70  | 97  | 99  | 97  | 98  | 101 | 104 | 92  | 93  | 81  | 63  | 104        |
| 67   | 83                       | 79  | 95  | 96  | 106 | 99  | 103 | 102 | 92  | 85  | 80  | 72  | 106        |
| 68   | 70                       | 69  | 78  | 81  | 93  | 98  | 99  | 101 | 98  | 98  | 84  | 72  | 101        |
| 69   | 80                       | 75  | 82  | 80  | 96  | 104 | 103 | 106 | 93  | 90  | 83  | 77  | 106        |
| 70   | 81                       | 84  | 81  | 90  | 93  | 103 | 106 | 102 | 100 | 90  | 85  | 80  | 106        |
| 71   | 74                       | 84  | 95  | 94  | 94  | 93  | 101 | 90  | 90  | 85  | 80  | 76  | 101        |
| 72   | 81                       | 85  | 86  | 94  | 90  | 107 | 98  | 98  | 96  | 95  | 76  | 79  | 107        |
| 73   | 70                       | 90  | 79  | 81  | 98  | 96  | 99  | 102 | 95  | 92  | 85  | 82  | 102        |
| 74   | 84                       | 85  | 96  | 93  | 99  | 104 | 105 | 95  | 92  | 82  | 77  | 76  | 105        |
| 75   | 87                       | 77  | 88  | 92  | 91  | 102 | 96  | 95  | 96  | 92  | 85  | 79  | 102        |
| 76   | 77                       | 89  | 91  | 95  | 94  | 97  | 95  | 99  | 94  | 89  | 76  | 74  | 99         |
| 77   | 85                       | 90  | 96  | 80  | 100 | 99  | 102 | 103 | 105 | 88  | 85  | 80  | 105        |
| 78   | 73                       | 76  | 90  | 94  | 107 | 102 | 107 | 98  | 98  | 90  | 84  | 78  | 107        |
| 79   | 71                       | 96  | 87  | 91  | 94  | 98  | 100 | 99  | 102 | 103 | 79  | 79  | 103        |
| 80   | 81                       | 83  | 81  | 90  | 94  | 109 | 107 | 105 | 100 | 93  | 95  | 80  | 109        |
| 81   | 76                       | 80  | 80  | 89  | 97  | 101 | 102 | 99  | 95  | 90  | 86  | 82  | 102        |
| 82   | 71                       | 85  | 89  | 95  | 90  | 97  | 102 | 105 | 102 | 93  | 81  | 76  | 105        |

NOTED \* (BASED ON LESS THAN FULL MONTHS)  
\* AT LEAST ONE DAY LESS THAN 24 OBS

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| YEAR      | WFOOT DEGREES FAHRENHEIT |       |       |       |       |       |       |       |       |       |       |       | ALL MONTHS |
|-----------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
|           | JAN                      | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   |            |
| 43        | 70                       | 80    | 85    | 93    | 95    | 106   | 104   | 106   | 103   | 93    | 80    | 75    | 106        |
| 44        | 76                       | 91    | 85    | 96    | 101   | 103   | 101   | 104   | 100   | 86    | 83    | 75    | 104        |
| 45        | 73                       | 71    | 82    | 91    | 103   | 99    | 102   | 100   | 100   | 87    | 81    | 71    | 103        |
| 56        | 81                       | 87    | 86    | 94    | 99    | 96    | 107   | 106   | 92    | 87    | 81    | 72    | 107        |
| 87        | 79                       | 76    | 78    | 96    | 91    | 97    | 96    | 102   |       |       |       |       |            |
| MEAN      | 75.7                     | 80.2  | 85.8  | 92.0  | 97.0  | 100.6 | 101.6 | 101.6 | 97.4  | 90.9  | 82.8  | 76.3  | 104.2      |
| SD        | 5.440                    | 5.263 | 5.268 | 4.412 | 4.723 | 3.735 | 3.575 | 3.861 | 3.941 | 4.193 | 4.101 | 4.189 | 2.616      |
| TOTAL OBS | 123                      | 932   | 1023  | 996   | 1054  | 1023  | 1054  | 1054  | 990   | 1023  | 990   | 1054  | 12213      |

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| YEAR | WHOLE DEGREES FAHRENHEIT<br>-M-O-N-T-H-S- |     |     |     |     |     |     |     |     |     |     |     | ALL<br>MONTHS |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|
|      | JAN                                       | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |               |
| 43   |   |     |     |     |     |     |     |     |     |     |     | 15  |               |
| 44   | 7   | 17  | 23  | 37  | 45  | 61  | 65  | 59  | 54  | 40  | 28  | 24  | 7             |
| 45   | 25  | 25  | 37  | 37  | 40  | 56  | 63  | 63  | 43  | 37  | 24  | 18  | 18            |
| 56   |   |     |     | 52  | 55  | 67  | 69  | 59  | 54  | 48  | 22  | 25  |               |
| 57   | 15  | 31  | 30  | 29  | 46  | 58  | 70  | 68  | 53  | 31  | 23  | 22  | 15            |
| 58   | 27  | 20  | 29  | 37  | 46  | 60  | 64  | 64  | 51  | 45  | 26  | 13  | 13            |
| 59   | 4   | 17  | 29  | 30  | 50  | 60  | 65  | 65  | 47  | 39  | 17  | 26  | 4             |
| 60   | 14  | 10  | 16  | 30  | 41  | 60  | 65  | 64  | 54  | 39  | 23  | 21  | 10            |
| 61   | 13  | 23  | 32  | 35  | 45  | 60  | 64  | 53  | 50  | 38  | 31  | 17  | 13            |
| 62   | 5   | 13  | 9   | 33  | 46  | 58  | 66  | 54  | 53  | 40  | 31  | 17  | 5             |
| 63   | 5   | 16  | 25  | 40  | 53  | 61  | 67  | 62  | 42  | 43  | 31  | 16  | 5             |
| 64   | 11  | 23  | 26  | 36  | 44  | 50  | 60  | 66  | 48  | 43  | 24  | 16  | 11            |
| 65   | 22  | 16  | 15  | 45  | 54  | 59  | 57  | 62  | 51  | 39  | 27  | 27  | 15            |
| 66   | 7   | 15  | 20  | 37  | 43  | 65  | 70  | 55  | 51  | 35  | 24  | 9   | 7             |
| 67   | 11  | 15  | 20  | 41  | 35  | 62  | 65  | 61  | 42  | 38  | 31  | 22  | 11            |
| 68   | 11  | 21  | 26  | 30  | 47  | 60  | 64  | 64  | 46  | 36  | 30  | 13  | 11            |
| 69   | 16  | 26  | 20  | 39  | 45  | 50  | 66  | 68  | 57  | 37  | 29  | 23  | 10            |
| 70   | 12  | 22  | 26  | 37  | 40  | 52  | 61  | 61  | 52  | 35  | 20  | 20  | 12            |
| 71   | 6   | 7   | 17  | 25  | 40  | 63  | 60  | 60  | 46  | 43  | 29  | 26  | 6             |
| 72   | 0   | 15  | 26  | 30  | 44  | 50  | 62  | 65  | 39  | 38  | 25  | 13  | 8             |
| 73   | -7  | 21  | 36  | 29  | 40  | 56  | 63  | 59  | 48  | 38  | 32  | 16  | -7            |
| 74   | 10  | 21  | 28  | 36  | 47  | 53  | 65  | 65  | 45  | 42  | 20  | 21  | 12            |
| 75   | 10  | 21  | 27  | 29  | 44  | 55  | 65  | 61  | 44  | 38  | 23  | 13  | 10            |
| 76   | 0   | 25  | 30  | 36  | 44  | 53  | 63  | 61  | 49  | 29  | 16  | 11  | 9             |
| 77   | 8   | 24  | 25  | 33  | 54  | 59  | 69  | 69  | 50  | 33  | 30  | 18  | 8             |
| 78   | 16  | 15  | 17  | 39  | 42  | 59  | 67  | 64  | 58  | 41  | 32  | 19  | 15            |
| 79   | 10  | 19  | 29  | 35  | 37  | 50  | 65  | 58  | 48  | 34  | 19  | 20  | 10            |
| 80   | 23  | 15  | 8   | 34  | 49  | 60  | 65  | 72  | 57  | 33  | 26  | 20  | 8             |
| 81   | 28  | 14  | 33  | 40  | 42  | 56  | 67  | 62  | 49  | 36  | 30  | 21  | 14            |
| 82   | 7   | 15  | 20  | 30  | 40  | 50  | 69  | 70  | 56  | 40  | 18  | 23  | 7             |

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
 # (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 43-45, 56-87

| ..... WHOLE DEGREES FAHRENHEIT .....<br>-M-O-N-T-H-S- |       |       |       |       |       |       |       |       |       |       |       |       |            |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| YFAP  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ALL MONTHS |
| 83  | 21    | 25    | 28    | 31    | 47    | 50    | 62    | 67    | 39    | 44    | 27    | 2     | 2          |
| 84  | 8     | 22    | 20    | 35    | 42    | 63    | 61    | 66    | 41    | 43    | 31    | 26    | 8          |
| 85  | 17    | -2    | 31    | 37    | 51    | 50    | 61    | 66    | 44    | 44    | 28    | 15    | -2         |
| 86  | 19    | 19    | 33    | 37    | 40    | 65    | 67    | 65    | 54    | 39    | 23    | 29    | 19         |
| 87  | 21    | 27    | 23    | 28    | 57    | 54    | 62    | 55    |       |       |       |       |            |
| MEAN  | 12.7  | 18.8  | 25.0  | 34.6  | 45.3  | 57.6  | 64.5  | 62.7  | 49.2  | 38.7  | 25.8  | 18.7  | 9.4        |
| S.D.  | 7.641 | 6.426 | 7.016 | 4.569 | 4.921 | 4.554 | 3.077 | 4.523 | 5.589 | 4.215 | 4.684 | 5.775 | 5.570      |
| TOTAL OBS   | 1223  | 932   | 1023  | 996   | 1054  | 1220  | 1054  | 1054  | 990   | 1023  | 990   | 1054  | 12213      |

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87

| HOURS<br>LST | STATS   | JAN    | FEB    | MAR    | APR    | MAY    | JUN   | JUL   | AUG   | SEP    | OCT    | NOV    | DEC    | ANN    |
|--------------|---------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|
| 00-02        | MEAN    | 38.0   | 42.6   | 50.4   | 58.4   | 66.5   | 73.6  | 78.4  | 77.9  | 72.4   | 61.4   | 49.8   | 41.0   | 59.3   |
|              | SD      | 9.561  | 11.418 | 9.870  | 9.778  | 7.975  | 6.241 | 4.421 | 5.074 | 7.650  | 9.119  | 10.259 | 11.268 | 16.650 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930    | 900   | 930   | 930   | 900    | 930    | 900    | 930    | 10956  |
| 03-05        | MEAN    | 36.5   | 41.1   | 48.5   | 56.1   | 64.2   | 71.0  | 75.5  | 75.3  | 70.1   | 59.5   | 48.3   | 39.6   | 57.2   |
|              | SD      | 10.062 | 11.358 | 9.903  | 9.502  | 7.762  | 5.794 | 4.184 | 4.716 | 7.383  | 9.237  | 10.468 | 11.187 | 16.208 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930    | 900   | 930   | 930   | 900    | 930    | 900    | 930    | 10956  |
| 06-08        | MEAN    | 35.4   | 40.0   | 47.9   | 56.6   | 65.1   | 72.4  | 76.5  | 75.6  | 69.9   | 59.0   | 47.4   | 38.6   | 57.1   |
|              | SD      | 10.052 | 11.190 | 9.696  | 9.168  | 7.687  | 5.754 | 4.442 | 4.896 | 7.435  | 9.176  | 10.351 | 11.276 | 16.800 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930    | 900   | 930   | 930   | 900    | 930    | 900    | 930    | 10956  |
| 09-11        | MEAN    | 41.1   | 46.3   | 55.7   | 66.0   | 73.5   | 80.5  | 85.7  | 85.0  | 78.8   | 67.5   | 54.8   | 44.8   | 65.1   |
|              | SD      | 11.613 | 12.747 | 10.541 | 9.998  | 8.522  | 6.853 | 5.532 | 6.223 | 8.857  | 9.221  | 11.091 | 12.699 | 18.255 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930    | 900   | 930   | 930   | 900    | 930    | 900    | 930    | 10956  |
| 12-14        | MEAN    | 48.4   | 53.3   | 63.1   | 73.1   | 79.8   | 86.9  | 92.0  | 91.6  | 85.4   | 74.1   | 61.6   | 51.7   | 71.8   |
|              | SD      | 13.445 | 14.482 | 11.574 | 10.969 | 9.439  | 7.507 | 6.036 | 6.555 | 9.949  | 9.990  | 12.287 | 14.245 | 18.652 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930    | 900   | 930   | 930   | 900    | 930    | 900    | 930    | 10956  |
| 15-17        | MEAN    | 50.6   | 56.0   | 66.0   | 75.5   | 82.1   | 89.1  | 93.8  | 93.2  | 87.0   | 75.5   | 62.8   | 53.2   | 73.8   |
|              | SD      | 13.855 | 14.911 | 11.489 | 11.079 | 9.848  | 7.850 | 6.647 | 7.063 | 10.023 | 10.245 | 12.332 | 14.232 | 18.705 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930    | 900   | 930   | 930   | 900    | 930    | 900    | 930    | 10956  |
| 18-20        | MEAN    | 43.6   | 50.2   | 60.5   | 69.9   | 77.0   | 84.8  | 89.8  | 88.3  | 81.3   | 68.1   | 55.2   | 46.0   | 68.0   |
|              | SD      | 11.136 | 12.902 | 10.563 | 10.302 | 9.217  | 7.642 | 6.336 | 6.912 | 9.073  | 9.351  | 10.234 | 11.559 | 18.661 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930    | 900   | 930   | 927   | 900    | 930    | 900    | 930    | 10953  |
| 21-23        | MEAN    | 39.6   | 44.7   | 53.8   | 62.1   | 69.7   | 77.4  | 82.0  | 81.2  | 75.2   | 63.3   | 51.3   | 42.5   | 62.0   |
|              | SD      | 10.171 | 11.205 | 9.887  | 9.676  | 8.165  | 6.499 | 4.727 | 5.411 | 7.853  | 8.911  | 10.096 | 11.188 | 17.197 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930    | 900   | 930   | 927   | 900    | 930    | 900    | 930    | 10953  |
| ALL          | MEAN    | 41.7   | 46.8   | 55.7   | 64.7   | 72.3   | 79.5  | 84.2  | 83.5  | 77.5   | 66.0   | 53.9   | 44.7   | 64.3   |
|              | SD      | 12.502 | 13.724 | 12.284 | 12.323 | 10.760 | 9.401 | 8.599 | 8.899 | 10.618 | 11.131 | 12.197 | 13.273 | 18.679 |
| HOURS        | TOT OBS | 7440   | 6767   | 7440   | 7200   | 7440   | 7200  | 7440  | 7434  | 7200   | 7440   | 7200   | 7440   | 87641  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

WET-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87

| HOURS<br>LST | STATS   | JAN   | FEB    | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV    | DEC    | ANN    |
|--------------|---------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 00-02        | MEAN    | 31.6  | 38.0   | 44.0  | 50.7  | 59.5  | 65.8  | 67.9  | 67.8  | 63.7  | 55.0  | 44.9   | 36.6   | 52.4   |
|              | SD      | 8.641 | 9.703  | 8.733 | 9.075 | 6.825 | 4.359 | 2.531 | 2.764 | 6.669 | 8.526 | 9.757  | 10.180 | 14.434 |
|              | TOT OBS | 530   | 846    | 930   | 900   | 930   | 898   | 930   | 930   | 900   | 929   | 900    | 930    | 10953  |
| 03-05        | MEAN    | 32.6  | 37.1   | 42.9  | 49.6  | 58.5  | 64.9  | 67.3  | 67.2  | 63.1  | 54.1  | 44.1   | 35.6   | 51.5   |
|              | SD      | 8.953 | 9.897  | 9.025 | 9.260 | 7.094 | 4.604 | 2.773 | 2.908 | 6.979 | 8.891 | 10.201 | 10.243 | 14.664 |
|              | TOT OBS | 530   | 846    | 930   | 900   | 929   | 899   | 930   | 930   | 900   | 930   | 900    | 930    | 10954  |
| 06-08        | MEAN    | 31.9  | 36.4   | 42.7  | 50.1  | 59.4  | 66.3  | 68.6  | 67.9  | 63.4  | 54.1  | 43.5   | 34.9   | 51.7   |
|              | SD      | 9.090 | 9.944  | 9.154 | 9.062 | 6.914 | 4.580 | 2.802 | 3.030 | 7.130 | 8.922 | 10.160 | 10.440 | 15.281 |
|              | TOT OBS | 530   | 846    | 930   | 900   | 930   | 900   | 930   | 929   | 900   | 930   | 900    | 930    | 10955  |
| 09-11        | MEAN    | 35.9  | 40.6   | 47.4  | 54.8  | 63.1  | 69.6  | 72.2  | 71.7  | 67.3  | 58.6  | 47.9   | 39.1   | 55.8   |
|              | SD      | 9.521 | 10.166 | 8.673 | 8.416 | 6.434 | 4.442 | 2.180 | 2.642 | 6.638 | 7.913 | 9.640  | 10.619 | 14.925 |
|              | TOT OBS | 530   | 845    | 930   | 900   | 930   | 900   | 930   | 930   | 900   | 930   | 900    | 930    | 10955  |
| 12-14        | MEAN    | 39.9  | 44.3   | 50.6  | 57.3  | 64.6  | 71.1  | 72.9  | 72.8  | 68.6  | 60.9  | 51.0   | 42.7   | 58.1   |
|              | SD      | 9.654 | 10.170 | 8.227 | 7.892 | 6.302 | 4.214 | 2.215 | 2.471 | 6.296 | 7.465 | 9.427  | 10.706 | 13.907 |
|              | TOT OBS | 530   | 846    | 930   | 900   | 929   | 900   | 930   | 930   | 900   | 930   | 900    | 930    | 10955  |
| 15-17        | MEAN    | 40.8  | 45.4   | 51.6  | 57.7  | 64.8  | 71.0  | 72.4  | 72.3  | 68.2  | 60.8  | 51.1   | 43.3   | 58.3   |
|              | SD      | 9.380 | 9.844  | 7.674 | 7.410 | 5.645 | 3.943 | 2.185 | 2.389 | 5.809 | 7.114 | 9.194  | 10.359 | 13.322 |
|              | TOT OBS | 530   | 846    | 929   | 900   | 930   | 900   | 930   | 929   | 900   | 930   | 900    | 930    | 10954  |
| 18-20        | MEAN    | 37.1  | 42.3   | 48.9  | 55.4  | 62.9  | 69.3  | 70.7  | 70.6  | 66.1  | 57.8  | 47.5   | 39.4   | 55.7   |
|              | SD      | 8.533 | 9.385  | 7.784 | 7.628 | 5.764 | 3.815 | 2.414 | 2.406 | 6.014 | 7.564 | 8.803  | 9.685  | 13.848 |
|              | TOT OBS | 530   | 846    | 930   | 900   | 930   | 900   | 930   | 927   | 900   | 930   | 900    | 930    | 10953  |
| 21-23        | MEAN    | 34.6  | 39.4   | 45.9  | 52.4  | 60.7  | 67.2  | 68.6  | 68.7  | 64.3  | 55.8  | 45.5   | 37.4   | 53.4   |
|              | SD      | 8.572 | 9.179  | 8.276 | 8.572 | 6.470 | 3.886 | 2.587 | 2.629 | 6.508 | 8.067 | 9.281  | 9.882  | 14.196 |
|              | TOT OBS | 530   | 846    | 930   | 900   | 929   | 899   | 930   | 927   | 900   | 930   | 900    | 930    | 10951  |
| ALL          | MEAN    | 35.8  | 40.4   | 46.6  | 53.5  | 61.7  | 68.1  | 70.1  | 69.9  | 65.6  | 57.1  | 46.9   | 38.6   | 54.6   |
|              | SD      | 9.550 | 10.272 | 9.060 | 8.965 | 6.829 | 4.801 | 3.240 | 3.390 | 6.856 | 8.490 | 9.958  | 10.672 | 14.567 |
|              | TOT OBS | 7440  | 6767   | 7439  | 7200  | 7437  | 7196  | 7440  | 7432  | 7200  | 7439  | 7200   | 7440   | 87630  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87

| HOURS<br>LST | STATS   | JAN    | FEB    | MAR    | APR    | MAY   | JUN   | JUL   | AUG   | SEP   | OCT    | NOV    | DEC    | ANN    |
|--------------|---------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 00-02        | MEAN    | 26.7   | 31.9   | 36.5   | 43.1   | 54.3  | 61.3  | 62.1  | 62.2  | 58.1  | 49.7   | 39.4   | 29.9   | 46.3   |
|              | SD      | 10.278 | 10.644 | 10.974 | 12.285 | 8.910 | 5.259 | 4.280 | 4.132 | 8.697 | 10.945 | 11.779 | 12.217 | 15.996 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930   | 898   | 930   | 930   | 900   | 929    | 900    | 930    | 10953  |
| 03-05        | MEAN    | 26.3   | 31.5   | 36.2   | 42.9   | 54.3  | 61.4  | 62.7  | 62.7  | 56.5  | 49.5   | 39.1   | 29.5   | 46.3   |
|              | SD      | 10.541 | 11.025 | 11.139 | 12.221 | 8.800 | 5.147 | 4.164 | 3.938 | 8.851 | 11.104 | 12.138 | 12.252 | 16.324 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 929   | 899   | 930   | 930   | 900   | 930    | 900    | 930    | 10954  |
| 06-08        | MEAN    | 25.7   | 31.0   | 36.4   | 43.6   | 55.2  | 62.8  | 64.5  | 63.9  | 59.3  | 49.9   | 38.7   | 29.1   | 46.7   |
|              | SD      | 10.736 | 11.133 | 11.093 | 11.997 | 8.462 | 5.086 | 3.740 | 3.681 | 8.863 | 10.900 | 12.092 | 12.365 | 16.869 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930   | 900   | 930   | 929   | 900   | 930    | 900    | 930    | 10955  |
| 09-11        | MEAN    | 28.1   | 33.6   | 38.6   | 45.0   | 56.4  | 64.1  | 65.7  | 65.4  | 60.8  | 51.7   | 40.7   | 31.4   | 48.5   |
|              | SD      | 10.867 | 11.050 | 10.895 | 11.745 | 8.608 | 5.226 | 3.561 | 3.330 | 8.651 | 10.852 | 11.762 | 12.198 | 16.452 |
|              | TOT OBS | 930    | 845    | 930    | 900    | 930   | 900   | 930   | 930   | 900   | 930    | 900    | 930    | 10955  |
| 12-14        | MEAN    | 28.8   | 34.4   | 38.7   | 44.1   | 55.3  | 63.3  | 63.9  | 63.9  | 59.3  | 51.2   | 40.8   | 32.0   | 48.0   |
|              | SD      | 10.635 | 10.661 | 10.748 | 11.705 | 8.779 | 5.470 | 4.441 | 3.930 | 8.866 | 11.167 | 11.895 | 12.227 | 15.845 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 929   | 900   | 930   | 930   | 900   | 930    | 900    | 930    | 10955  |
| 15-17        | MEAN    | 28.3   | 33.8   | 37.6   | 42.8   | 53.6  | 61.9  | 61.9  | 62.0  | 57.6  | 49.9   | 40.0   | 31.3   | 46.8   |
|              | SD      | 10.088 | 10.296 | 10.749 | 11.602 | 9.053 | 5.546 | 4.834 | 4.263 | 8.880 | 11.134 | 11.899 | 12.111 | 15.437 |
|              | TOT OBS | 930    | 846    | 929    | 900    | 930   | 900   | 930   | 929   | 900   | 930    | 900    | 930    | 10954  |
| 18-20        | MEAN    | 27.3   | 32.9   | 36.7   | 42.3   | 53.3  | 61.0  | 60.7  | 61.5  | 56.8  | 49.5   | 39.3   | 30.4   | 46.1   |
|              | SD      | 10.082 | 10.479 | 11.166 | 12.176 | 9.208 | 5.446 | 5.200 | 4.492 | 9.126 | 11.267 | 11.357 | 12.064 | 15.555 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 930   | 900   | 930   | 927   | 900   | 930    | 900    | 930    | 10953  |
| 21-23        | MEAN    | 26.9   | 32.5   | 37.0   | 43.0   | 54.4  | 61.5  | 61.3  | 61.9  | 57.4  | 49.6   | 39.0   | 30.2   | 46.3   |
|              | SD      | 10.412 | 10.187 | 10.822 | 12.367 | 8.706 | 5.199 | 4.964 | 4.390 | 9.083 | 10.992 | 11.481 | 11.968 | 15.772 |
|              | TOT OBS | 930    | 846    | 930    | 900    | 929   | 899   | 930   | 927   | 900   | 930    | 900    | 930    | 10951  |
| ALL          | MEAN    | 27.3   | 32.7   | 37.2   | 43.4   | 54.6  | 62.2  | 62.9  | 62.9  | 58.5  | 50.1   | 39.6   | 30.5   | 46.9   |
|              | SD      | 10.502 | 10.741 | 10.983 | 12.037 | 8.866 | 5.400 | 4.705 | 4.222 | 8.954 | 11.070 | 11.820 | 12.207 | 16.060 |
|              | TOT OBS | 7440   | 6767   | 7439   | 7200   | 7437  | 7196  | 7440  | 7432  | 7200  | 7439   | 7200   | 7440   | 87630  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JAN

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |     |                      | MEAN       | TOTAL |
|-------|----------------|--|-------|------|------|------|------|------|------|-----|----------------------|------------|-------|
|       |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM<br>OBS |       |
| JAN   | 00-02          | 100.0  | 100.0 | 98.7 | 93.5 | 80.1 | 64.3 | 41.3 | 19.6 | 4.2 | 65.7                 | 930        |       |
|       | 03-05          | 100.0  | 100.0 | 99.2 | 95.7 | 85.8 | 70.3 | 46.7 | 22.4 | 4.2 | 68.0                 | 930        |       |
|       | 06-08          | 100.0  | 100.0 | 99.4 | 96.6 | 88.7 | 72.3 | 49.9 | 24.5 | 5.1 | 69.2                 | 930        |       |
|       | 09-11          | 100.0  | 100.0 | 97.2 | 87.5 | 72.5 | 52.7 | 34.6 | 18.4 | 4.9 | 62.4                 | 930        |       |
|       | 12-14          | 100.0  | 97.7  | 83.0 | 61.6 | 43.8 | 30.9 | 20.1 | 12.2 | 1.8 | 50.8                 | 930        |       |
|       | 15-17          | 100.0  | 95.4  | 73.1 | 52.9 | 36.3 | 24.9 | 16.9 | 9.9  | 2.0 | 46.7                 | 930        |       |
|       | 18-20          | 100.0  | 99.4  | 91.7 | 75.5 | 55.7 | 36.7 | 22.2 | 12.9 | 3.2 | 55.4                 | 930        |       |
|       | 21-23          | 100.0  | 99.4  | 97.6 | 89.0 | 74.5 | 56.2 | 31.8 | 17.5 | 4.4 | 62.6                 | 930        |       |
|       | TOTALS         | 100.0  | 99.0  | 92.5 | 81.5 | 67.2 | 51.0 | 32.6 | 17.2 | 3.7 | 60.1                 | 7440       |       |

GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: FEB

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |     |                      | MEAN | TOTAL |
|-------|----------------|--|-------|------|------|------|------|------|------|-----|----------------------|------|-------|
|       |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM  | OBS   |
| FEB   | 00-02          | 100.0  | 100.0 | 98.8 | 97.1 | 83.2 | 67.3 | 51.4 | 24.9 | 7.9 | 68.3                 | 846  |       |
|       | 03-05          | 100.0  | 100.0 | 98.9 | 95.0 | 84.9 | 73.5 | 57.7 | 29.7 | 9.9 | 70.6                 | 846  |       |
|       | 06-08          | 100.0  | 100.0 | 99.6 | 96.2 | 88.3 | 75.7 | 60.4 | 33.6 | 9.3 | 71.9                 | 846  |       |
|       | 09-11          | 100.0  | 99.9  | 95.4 | 86.4 | 75.7 | 60.5 | 42.7 | 23.0 | 5.7 | 64.5                 | 845  |       |
|       | 12-14          | 100.0  | 96.5  | 84.9 | 67.8 | 51.7 | 36.1 | 23.6 | 12.9 | 3.1 | 53.3                 | 846  |       |
|       | 15-17          | 100.0  | 89.8  | 76.2 | 58.2 | 41.5 | 28.0 | 18.7 | 11.1 | 2.4 | 48.3                 | 846  |       |
|       | 18-20          | 100.0  | 96.9  | 87.7 | 73.2 | 57.8 | 41.3 | 25.4 | 14.3 | 3.8 | 55.7                 | 846  |       |
|       | 21-23          | 100.0  | 99.8  | 97.9 | 89.0 | 75.7 | 61.1 | 40.8 | 20.9 | 6.0 | 64.8                 | 846  |       |
|       | TOTALS         | 100.0  | 97.9  | 92.4 | 82.4 | 69.9 | 55.4 | 40.1 | 21.3 | 6.0 | 62.2                 | 6767 |       |

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 702665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: MAR

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |     | MEAN                 | TOTAL      |
|-------|----------------|--|-------|------|------|------|------|------|------|-----|----------------------|------------|
|       |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM<br>OBS |
| MAR   | 00-02          | 100.0  | 99.5  | 95.5 | 88.7 | 73.0 | 52.9 | 32.3 | 12.6 | .9  | 61.3                 | 930        |
|       | 03-05          | 100.0  | 99.7  | 97.2 | 91.5 | 79.0 | 60.9 | 41.6 | 15.6 | 1.3 | 64.4                 | 930        |
|       | 06-08          | 100.0  | 100.0 | 98.8 | 93.7 | 82.3 | 64.5 | 45.4 | 18.5 | 2.8 | 66.3                 | 930        |
|       | 09-11          | 100.0  | 99.2  | 90.8 | 77.7 | 58.4 | 39.5 | 23.1 | 8.0  | .8  | 55.5                 | 930        |
|       | 12-14          | 100.0  | 93.0  | 74.1 | 51.6 | 33.2 | 19.8 | 10.1 | 3.7  | .3  | 44.2                 | 930        |
|       | 15-17          | 100.0  | 85.5  | 59.0 | 37.0 | 25.5 | 14.6 | 8.1  | 2.4  |     | 39.0                 | 929        |
|       | 18-20          | 100.0  | 91.6  | 74.2 | 54.3 | 35.5 | 24.0 | 11.9 | 2.4  | .3  | 45.0                 | 930        |
|       | 21-23          | 100.0  | 98.4  | 92.0 | 79.4 | 59.9 | 40.1 | 22.4 | 7.7  | .2  | 55.8                 | 930        |
|       | TOTALS         | 100.0  | 95.9  | 85.2 | 71.8 | 55.9 | 39.5 | 24.4 | 8.9  | .8  | 53.9                 | 7439       |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: APR

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |     | MEAN                 | TOTAL      |
|-------|----------------|--|------|------|------|------|------|------|------|-----|----------------------|------------|
|       |                | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM<br>OBS |
| APR   | 00-02          | 100.0  | 98.6 | 93.8 | 82.8 | 66.0 | 48.9 | 31.4 | 13.6 | 4.0 | 59.6                 | 900        |
|       | 03-05          | 100.0  | 98.8 | 96.1 | 90.8 | 76.2 | 57.2 | 36.4 | 19.3 | 5.6 | 63.8                 | 900        |
|       | 06-08          | 100.0  | 99.2 | 96.3 | 89.1 | 75.6 | 60.7 | 38.8 | 17.6 | 5.9 | 63.9                 | 900        |
|       | 09-11          | 100.0  | 97.8 | 85.4 | 64.4 | 45.1 | 28.0 | 14.1 | 5.0  | 2.1 | 49.8                 | 900        |
|       | 12-14          | 100.0  | 87.3 | 61.4 | 40.1 | 23.2 | 11.2 | 5.7  | 2.3  | 1.2 | 38.9                 | 900        |
|       | 15-17          | 100.0  | 78.2 | 51.3 | 32.0 | 16.6 | 8.7  | 4.6  | 2.6  | 1.3 | 34.8                 | 900        |
|       | 18-20          | 100.0  | 86.4 | 64.6 | 44.3 | 29.3 | 16.3 | 7.7  | 3.9  | 2.0 | 41.0                 | 900        |
|       | 21-23          | 100.0  | 96.7 | 89.3 | 71.2 | 52.6 | 35.9 | 18.7 | 7.4  | 2.7 | 53.0                 | 900        |
|       | TOTALS         | 100.0  | 92.9 | 79.8 | 64.3 | 48.1 | 33.4 | 19.7 | 9.0  | 3.1 | 50.6                 | 7200       |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
 MONTH: MAY

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |     | MEAN                 | TOTAL      |
|-------|----------------|--|-------|------|------|------|------|------|------|-----|----------------------|------------|
|       |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM<br>OBS |
| MAY   | 00-02          | 100.0  | 99.7  | 98.1 | 90.8 | 82.2 | 68.4 | 44.6 | 24.1 | 5.6 | 67.0                 | 930        |
|       | 03-05          | 100.0  | 100.0 | 98.7 | 96.1 | 89.5 | 78.8 | 57.1 | 31.5 | 8.8 | 71.8                 | 925        |
|       | 06-08          | 100.0  | 100.0 | 99.2 | 96.3 | 90.1 | 79.4 | 55.2 | 31.6 | 9.2 | 71.8                 | 930        |
|       | 09-11          | 100.0  | 99.1  | 93.3 | 84.4 | 67.2 | 40.8 | 21.1 | 8.8  | 3.0 | 57.5                 | 930        |
|       | 12-14          | 100.0  | 95.2  | 80.3 | 59.7 | 35.6 | 18.3 | 8.4  | 4.1  | 1.8 | 46.1                 | 925        |
|       | 15-17          | 100.0  | 89.0  | 67.6 | 46.2 | 27.6 | 13.4 | 6.7  | 3.1  | .9  | 41.1                 | 930        |
|       | 18-20          | 100.0  | 93.7  | 78.7 | 61.8 | 42.0 | 25.8 | 12.8 | 5.3  | 1.3 | 47.7                 | 930        |
|       | 21-23          | 100.0  | 79.8  | 95.3 | 65.7 | 71.0 | 49.5 | 30.0 | 13.7 | 2.6 | 60.6                 | 925        |
|       | TOTALS         | 100.0  | 97.1  | 88.9 | 77.6 | 63.2 | 46.8 | 29.5 | 15.3 | 4.2 | 58.0                 | 7437       |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUN

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |     | MEAN                 | TOTAL      |
|-------|----------------|--|-------|-------|-------|------|------|------|------|-----|----------------------|------------|
|       |                | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM<br>OBS |
| JUN   | 00-02          | 100.0  | 99.7  | 99.7  | 98.6  | 87.6 | 65.8 | 37.2 | 16.5 | 4.6 | 66.7                 | 896        |
|       | 03-05          | 100.0  | 100.0 | 99.9  | 99.8  | 96.7 | 83.9 | 55.2 | 24.5 | 7.3 | 72.3                 | 899        |
|       | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 98.3 | 86.6 | 55.4 | 23.8 | 6.2 | 72.5                 | 900        |
|       | 09-11          | 100.0  | 100.0 | 99.7  | 93.9  | 74.2 | 38.6 | 15.2 | 6.4  | 1.6 | 58.7                 | 900        |
|       | 12-14          | 100.0  | 99.7  | 92.9  | 67.8  | 32.2 | 11.6 | 5.7  | 2.4  | .3  | 47.0                 | 900        |
|       | 15-17          | 100.0  | 99.0  | 83.0  | 45.6  | 20.9 | 10.0 | 5.2  | 1.3  | .3  | 42.1                 | 900        |
|       | 18-20          | 100.0  | 99.7  | 87.6  | 61.4  | 33.2 | 16.4 | 8.3  | 4.6  | .9  | 47.0                 | 900        |
|       | 21-23          | 100.0  | 99.7  | 99.0  | 91.5  | 71.1 | 42.4 | 23.4 | 11.9 | 2.7 | 59.9                 | 899        |
|       | TOTALS         | 100.0  | 99.7  | 95.2  | 82.3  | 64.3 | 44.4 | 25.7 | 11.4 | 3.0 | 58.3                 | 7196       |

GLOBAL CLIMATOLOGY BRANCH  
USAFETC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: JUL

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUM<br>OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|---------------------|
|       |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90% |                              |                     |
| JUL   | 00-02          | 100.0  | 100.0 | 99.8  | 93.9 | 66.5 | 39.4 | 21.6 | 9.4  | 1.8 | 58.8                         | 930                 |
|       | 03-05          | 100.0  | 100.0 | 100.0 | 98.4 | 86.8 | 60.5 | 35.1 | 17.2 | 2.3 | 65.6                         | 930                 |
|       | 06-08          | 100.0  | 100.0 | 100.0 | 99.0 | 91.2 | 68.3 | 40.0 | 15.8 | 2.3 | 67.3                         | 930                 |
|       | 09-11          | 100.0  | 100.0 | 98.6  | 82.5 | 50.3 | 23.8 | 11.8 | 3.9  | .8  | 52.7                         | 930                 |
|       | 12-14          | 100.0  | 99.0  | 79.6  | 42.6 | 19.5 | 9.8  | 4.4  | 1.5  | .2  | 41.1                         | 930                 |
|       | 15-17          | 100.0  | 95.5  | 60.9  | 28.6 | 12.3 | 7.3  | 3.8  | 2.4  | .2  | 36.7                         | 930                 |
|       | 18-20          | 100.0  | 98.1  | 71.8  | 36.9 | 18.5 | 9.7  | 6.0  | 2.3  |     | 39.9                         | 930                 |
|       | 21-23          | 100.0  | 100.0 | 96.9  | 74.7 | 45.3 | 23.4 | 12.9 | 5.3  | .9  | 51.4                         | 930                 |
|       | TOTALS         | 100.0  | 99.1  | 88.5  | 69.6 | 48.8 | 30.3 | 17.0 | 7.2  | 1.1 | 51.7                         | 7440                |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 78-87  
MONTH: AUG

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |     |                      | MEAN       | TOTAL |
|-------|----------------|--|-------|-------|------|------|------|------|------|-----|----------------------|------------|-------|
|       |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM<br>OBS |       |
| AUG   | 00-02          | 100.0  | 100.0 | 99.9  | 93.5 | 71.7 | 42.0 | 23.2 | 10.3 | 1.8 | 59.9                 | 930        |       |
|       | 03-05          | 100.0  | 100.0 | 100.0 | 98.9 | 67.8 | 63.5 | 35.1 | 15.4 | 4.1 | 66.0                 | 930        |       |
|       | 06-08          | 100.0  | 100.0 | 100.0 | 99.5 | 92.6 | 70.9 | 39.1 | 16.9 | 4.4 | 68.0                 | 929        |       |
|       | 09-11          | 100.0  | 99.9  | 98.6  | 85.8 | 52.7 | 22.4 | 10.0 | 5.4  | 1.2 | 53.3                 | 930        |       |
|       | 12-14          | 100.0  | 99.2  | 94.2  | 43.7 | 17.0 | 7.7  | 4.2  | 1.6  | .2  | 41.4                 | 930        |       |
|       | 15-17          | 100.0  | 97.7  | 64.7  | 27.2 | 13.6 | 7.3  | 4.1  | 1.6  | .1  | 37.3                 | 929        |       |
|       | 18-20          | 100.0  | 99.0  | 80.7  | 44.6 | 23.3 | 13.6 | 6.7  | 3.5  | .2  | 42.8                 | 927        |       |
|       | 21-23          | 100.0  | 100.0 | 98.7  | 79.8 | 50.2 | 26.6 | 14.0 | 6.9  | 1.8 | 53.7                 | 927        |       |
|       | TOTALS         | 100.0  | 99.5  | 90.9  | 71.6 | 51.1 | 31.8 | 17.1 | 7.7  | 1.7 | 52.8                 | 7432       |       |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
 MONTH: SEP

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |     | MEAN                 | TOTAL      |
|--------|----------------|--|-------|------|------|------|------|------|------|-----|----------------------|------------|
|        |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM<br>OBS |
| SEP    | 00-02          | 100.0  | 100.0 | 98.9 | 93.3 | 74.1 | 53.8 | 32.4 | 16.0 | 3.0 | 62.6                 | 900        |
|        | 03-05          | 100.0  | 100.0 | 99.7 | 97.1 | 85.3 | 70.2 | 47.2 | 23.4 | 4.7 | 68.2                 | 900        |
|        | 06-08          | 100.0  | 100.0 | 99.6 | 98.2 | 90.4 | 75.1 | 51.7 | 27.1 | 5.3 | 70.1                 | 900        |
|        | 09-11          | 100.0  | 99.2  | 94.7 | 83.3 | 60.4 | 35.9 | 21.0 | 9.3  | 1.3 | 56.3                 | 900        |
|        | 12-14          | 100.0  | 96.0  | 79.4 | 51.9 | 29.2 | 16.0 | 10.2 | 4.6  | .4  | 44.3                 | 900        |
|        | 15-17          | 99.9   | 92.2  | 66.3 | 38.2 | 22.7 | 13.7 | 8.1  | 3.0  | .6  | 40.1                 | 900        |
|        | 18-20          | 100.0  | 96.2  | 80.1 | 55.0 | 33.6 | 21.2 | 13.9 | 6.7  | 1.0 | 46.4                 | 900        |
|        | 21-23          | 100.0  | 99.9  | 95.7 | 81.0 | 59.2 | 37.9 | 21.7 | 10.9 | 2.6 | 56.4                 | 900        |
| TOTALS |                | 100.0  | 97.9  | 89.3 | 74.6 | 56.9 | 40.5 | 25.8 | 12.6 | 2.4 | 55.6                 | 7200       |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: OCT

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |      | MEAN                 | TOTAL      |
|-------|----------------|--|-------|------|------|------|------|------|------|------|----------------------|------------|
|       |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  | RELATIVE<br>HUMIDITY | NUM<br>OBS |
| OCT   | 00-02          | 100.0  | 100.0 | 97.7 | 91.5 | 80.5 | 64.8 | 46.4 | 28.6 | 9.3  | 67.8                 | 929        |
|       | 03-05          | 100.0  | 100.0 | 98.6 | 94.6 | 85.9 | 74.0 | 55.5 | 35.4 | 10.5 | 71.4                 | 930        |
|       | 06-08          | 100.0  | 100.0 | 99.5 | 95.7 | 90.0 | 78.0 | 62.2 | 37.6 | 13.0 | 73.5                 | 930        |
|       | 09-11          | 100.0  | 98.8  | 92.6 | 82.0 | 66.9 | 50.6 | 32.2 | 16.9 | 4.2  | 60.2                 | 930        |
|       | 12-14          | 100.0  | 94.2  | 80.3 | 61.0 | 40.9 | 27.3 | 15.4 | 8.1  | 1.5  | 48.5                 | 930        |
|       | 15-17          | 100.0  | 91.7  | 72.5 | 52.0 | 33.7 | 20.2 | 13.5 | 6.7  | 2.4  | 44.8                 | 930        |
|       | 18-20          | 100.0  | 96.8  | 87.7 | 72.8 | 56.2 | 39.7 | 24.0 | 12.6 | 4.1  | 55.3                 | 930        |
|       | 21-23          | 100.0  | 99.9  | 94.9 | 87.0 | 73.9 | 56.3 | 40.1 | 22.3 | 5.8  | 63.7                 | 930        |
|       | TOTALS         | 100.0  | 97.7  | 90.5 | 75.6 | 60.0 | 51.4 | 36.2 | 21.0 | 6.4  | 60.7                 | 7439       |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
 MONTH: NOV

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |      | MEAN                   | TOTAL        |
|-------|----------------|--|-------|------|------|------|------|------|------|------|------------------------|--------------|
|       |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  | (RELATIVE<br>HUMIDITY) | (NUP<br>OBS) |
| NOV   | 00-02          | 100.0  | 99.8  | 98.8 | 96.1 | 86.9 | 72.3 | 47.9 | 24.1 | 7.1  | 69.0                   | 900          |
|       | 03-05          | 100.0  | 100.0 | 99.4 | 97.1 | 90.7 | 76.6 | 56.1 | 31.1 | 10.1 | 71.8                   | 900          |
|       | 06-08          | 100.0  | 100.0 | 99.7 | 97.6 | 92.1 | 78.2 | 60.2 | 33.4 | 12.8 | 73.0                   | 900          |
|       | 09-11          | 100.0  | 99.7  | 96.7 | 85.6 | 69.9 | 52.6 | 32.7 | 16.9 | 6.0  | 61.8                   | 900          |
|       | 12-14          | 100.0  | 97.7  | 83.4 | 63.1 | 43.0 | 28.7 | 18.3 | 10.1 | 2.3  | 50.1                   | 900          |
|       | 15-17          | 100.0  | 95.7  | 78.0 | 53.9 | 36.0 | 24.1 | 15.2 | 7.9  | 1.9  | 46.9                   | 900          |
|       | 18-20          | 100.0  | 99.2  | 94.9 | 82.3 | 62.9 | 43.7 | 24.1 | 11.0 | 2.8  | 57.7                   | 900          |
|       | 21-23          | 100.0  | 99.8  | 97.4 | 94.2 | 80.6 | 59.3 | 39.2 | 18.0 | 4.7  | 64.9                   | 900          |
|       | TOTALS         | 100.0  | 99.0  | 93.5 | 87.7 | 70.3 | 54.4 | 36.7 | 19.1 | 6.0  | 61.9                   | 7200         |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-86  
MONTH: DEC

| MONTH | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |     |                      | MEAN | TOTAL |
|-------|----------------|--|------|------|------|------|------|------|------|-----|----------------------|------|-------|
|       |                | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM  | OBS   |
| DEC   | 00-02          | 100.0  | 99.4 | 97.4 | 92.9 | 80.6 | 64.3 | 45.7 | 27.1 | 6.8 | 67.0                 | 930  |       |
|       | 03-05          | 100.0  | 99.8 | 97.4 | 94.6 | 84.8 | 70.2 | 51.0 | 31.6 | 7.6 | 69.2                 | 930  |       |
|       | 06-08          | 100.0  | 99.9 | 97.5 | 94.8 | 87.5 | 73.8 | 55.1 | 34.6 | 7.8 | 70.6                 | 930  |       |
|       | 09-11          | 100.0  | 99.2 | 94.3 | 85.6 | 70.2 | 53.5 | 38.5 | 22.0 | 4.7 | 62.6                 | 930  |       |
|       | 12-14          | 100.0  | 95.0 | 81.8 | 63.2 | 45.3 | 33.0 | 22.4 | 13.5 | 3.2 | 51.4                 | 930  |       |
|       | 15-17          | 100.0  | 93.7 | 73.4 | 56.0 | 38.4 | 28.6 | 19.9 | 12.2 | 2.6 | 48.1                 | 930  |       |
|       | 18-20          | 100.0  | 97.7 | 90.6 | 79.0 | 62.0 | 42.2 | 29.2 | 16.3 | 3.8 | 57.9                 | 930  |       |
|       | 21-23          | 100.0  | 99.2 | 96.2 | 89.3 | 76.2 | 59.6 | 41.0 | 21.9 | 5.7 | 64.5                 | 930  |       |
|       | TOTALS         | 100.0  | 98.1 | 91.1 | 81.8 | 68.1 | 53.2 | 37.9 | 22.4 | 5.3 | 61.4                 | 7440 |       |

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87  
MONTH: ALL

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |      |      |      |      |      |      |      |     | MEAN                 | TOTAL      |
|--------|----------------|--|------|------|------|------|------|------|------|-----|----------------------|------------|
|        |                | 10%  | 20%  | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90% | RELATIVE<br>HUMIDITY | NUM<br>OBS |
| JAN    | ALL            | 100.0  | 99.0 | 92.5 | 81.5 | 67.2 | 51.0 | 32.9 | 17.2 | 3.7 | 60.1                 | 7440       |
| FEB    |                | 100.0  | 97.9 | 92.4 | 82.4 | 69.9 | 55.4 | 40.1 | 21.3 | 6.0 | 62.2                 | 6767       |
| MAR    |                | 100.0  | 95.9 | 85.2 | 71.8 | 55.9 | 39.5 | 24.4 | 8.9  | .8  | 53.9                 | 7439       |
| APR    |                | 100.0  | 92.9 | 79.8 | 64.3 | 48.1 | 33.4 | 19.7 | 9.0  | 3.1 | 50.6                 | 7200       |
| MAY    |                | 100.0  | 97.1 | 88.9 | 77.6 | 63.2 | 46.8 | 29.5 | 15.3 | 4.2 | 58.0                 | 7437       |
| JUN    |                | 100.0  | 99.7 | 95.2 | 82.3 | 64.3 | 44.4 | 25.7 | 11.4 | 3.0 | 58.3                 | 7196       |
| JUL    |                | 100.0  | 99.1 | 88.5 | 69.6 | 48.8 | 30.3 | 17.0 | 7.2  | 1.1 | 51.7                 | 7440       |
| AUG    |                | 100.0  | 99.5 | 90.9 | 71.6 | 51.1 | 31.9 | 17.1 | 7.7  | 1.7 | 52.8                 | 7432       |
| SEP    |                | 100.0  | 97.9 | 89.3 | 74.6 | 56.9 | 40.5 | 25.8 | 12.6 | 2.4 | 55.6                 | 7200       |
| OCT    |                | 100.0  | 97.7 | 90.5 | 75.6 | 66.0 | 51.4 | 36.2 | 21.0 | 6.4 | 60.7                 | 7439       |
| NOV    |                | 100.0  | 99.0 | 93.1 | 83.7 | 70.3 | 54.4 | 36.7 | 19.1 | 6.0 | 61.9                 | 7200       |
| DEC    |                | 100.0  | 98.1 | 91.1 | 81.8 | 68.1 | 53.2 | 37.9 | 22.4 | 5.3 | 61.4                 | 7440       |
| TOTALS |                | 100.0  | 97.8 | 89.8 | 76.7 | 60.8 | 44.3 | 28.6 | 14.4 | 3.6 | 57.3                 | 87630      |

AD-A190 356

DWESS AFB TEXAS REVISED UNIFORM SUMMARY OF SURFACE  
WATER OBSERVATIONS (U.S. AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT AFB JAN 89  
UNCLASSIFIED USAFETAC/DS-88/005

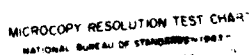
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HL

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END

784



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| PPPPPPPP | AAAAAA   | RRRRRRRR | TTTTTTTT | FFFFFFFF |
| PPPPPPPP | AAAAAA   | RRRRRRRR | TTTTTTTT | FFFFFFFF |
| PP PP    | AA AA    | RR RR    | TT       | FF       |
| PP PP    | AA AA    | RR RR    | TT       | FF       |
| PPPPPPPP | AA AA    | RRRRRRRR | TT       | FFFFF    |
| PPPPPPPP | AAAAAAAA | RRRRRRRR | TT       | FFFFF    |
| PP       | AAAAAAAA | RR RR    | TT       | FF       |
| PP       | AA AA    | RR RR    | TT       | FF       |
| PP       | AA AA    | RR RR    | TT       | FF       |
| PP       | AA AA    | RR RR    | TT       | FF       |

## PRESSURE SUMMARIES

### STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

### SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87

| HOURS<br>LST | STATS   | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 00           | MEAN    | 28.223 | 28.157 | 28.072 | 28.045 | 28.020 | 28.066 | 28.104 | 28.113 | 28.114 | 28.143 | 28.159 | 28.208 | 28.119 |
|              | SD      | .194   | .191   | .195   | .175   | .148   | .107   | .073   | .076   | .125   | .151   | .185   | .208   | .169   |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 03           | MEAN    | 28.212 | 28.148 | 28.065 | 28.039 | 28.028 | 28.056 | 28.101 | 28.109 | 28.109 | 28.138 | 28.148 | 28.197 | 28.111 |
|              | SD      | .197   | .194   | .195   | .175   | .147   | .108   | .075   | .078   | .123   | .152   | .186   | .210   | .170   |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 06           | MEAN    | 28.212 | 28.153 | 28.076 | 28.056 | 28.028 | 28.079 | 28.122 | 28.127 | 28.126 | 28.152 | 28.155 | 28.198 | 28.124 |
|              | SD      | .196   | .195   | .199   | .176   | .147   | .108   | .074   | .078   | .122   | .153   | .184   | .213   | .169   |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 09           | MEAN    | 28.249 | 28.190 | 28.116 | 28.091 | 28.060 | 28.107 | 28.150 | 28.157 | 28.158 | 28.189 | 28.195 | 28.234 | 28.158 |
|              | SD      | .197   | .194   | .204   | .176   | .145   | .109   | .073   | .080   | .123   | .153   | .185   | .214   | .170   |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 12           | MEAN    | 28.250 | 28.191 | 28.105 | 28.077 | 28.046 | 28.094 | 28.137 | 28.143 | 28.145 | 28.174 | 28.181 | 28.229 | 28.148 |
|              | SD      | .198   | .191   | .207   | .179   | .144   | .108   | .072   | .080   | .122   | .151   | .186   | .217   | .172   |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 15           | MEAN    | 28.300 | 28.119 | 28.035 | 28.016 | 27.993 | 28.043 | 28.085 | 28.085 | 28.084 | 28.112 | 28.118 | 28.166 | 28.086 |
|              | SD      | .198   | .189   | .208   | .181   | .145   | .106   | .073   | .081   | .125   | .151   | .187   | .214   | .171   |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 18           | MEAN    | 28.185 | 28.116 | 28.020 | 27.992 | 27.961 | 28.010 | 28.046 | 28.054 | 28.067 | 28.107 | 28.123 | 28.174 | 28.071 |
|              | SD      | .195   | .184   | .204   | .181   | .144   | .106   | .073   | .081   | .127   | .150   | .187   | .209   | .174   |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 309    | 300    | 310    | 300    | 310    | 3651   |
| 21           | MEAN    | 28.213 | 28.146 | 28.057 | 28.031 | 27.999 | 28.042 | 28.077 | 28.091 | 28.106 | 28.140 | 28.153 | 28.204 | 28.105 |
|              | SD      | .194   | .185   | .199   | .175   | .143   | .103   | .073   | .081   | .127   | .150   | .184   | .205   | .171   |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 309    | 300    | 310    | 300    | 310    | 3651   |
| ALL          | MEAN    | 28.216 | 28.153 | 28.068 | 28.044 | 28.014 | 28.062 | 28.103 | 28.110 | 28.114 | 28.144 | 28.154 | 28.201 | 28.115 |
|              | SD      | .197   | .192   | .203   | .180   | .145   | .111   | .080   | .085   | .127   | .154   | .187   | .212   | .173   |
| HOURS        | TOT OBS | 2480   | 2256   | 2480   | 2400   | 2480   | 2400   | 2480   | 2478   | 2400   | 2480   | 2400   | 2480   | 29214  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HRS FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 722665 STATION NAME: DYESS AFB TX

PERIOD OF RECORD: 77-87

| HOURS<br>LST | STATS   | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 00           | MEAN    | 1020.8 | 1018.0 | 1014.2 | 1012.6 | 1011.2 | 1012.4 | 1013.5 | 1013.9 | 1014.3 | 1016.0 | 1017.5 | 1019.9 | 1015.4 |
|              | SD      | 7.563  | 7.610  | 7.454  | 6.743  | 5.602  | 4.009  | 2.730  | 2.977  | 4.891  | 5.867  | 7.194  | 8.209  | 6.819  |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 03           | MEAN    | 1020.3 | 1017.5 | 1013.6 | 1012.3 | 1010.7 | 1012.0 | 1013.4 | 1013.7 | 1014.1 | 1015.8 | 1017.0 | 1019.5 | 1015.0 |
|              | SD      | 7.683  | 7.750  | 7.501  | 6.780  | 5.571  | 4.132  | 2.787  | 2.986  | 4.821  | 5.952  | 7.255  | 8.309  | 6.859  |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 06           | MEAN    | 1020.5 | 1017.8 | 1014.4 | 1013.0 | 1011.5 | 1012.9 | 1014.3 | 1014.5 | 1014.8 | 1016.5 | 1017.4 | 1019.7 | 1015.6 |
|              | SD      | 7.670  | 7.735  | 7.644  | 6.787  | 5.576  | 4.068  | 2.770  | 2.967  | 4.785  | 5.953  | 7.180  | 8.337  | 6.772  |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 09           | MEAN    | 1022.0 | 1019.3 | 1015.9 | 1014.4 | 1012.7 | 1014.0 | 1015.3 | 1015.6 | 1016.0 | 1017.9 | 1019.0 | 1021.2 | 1016.9 |
|              | SD      | 7.657  | 7.614  | 7.824  | 6.843  | 5.518  | 4.082  | 2.715  | 3.019  | 4.794  | 5.913  | 7.190  | 8.404  | 6.834  |
|              | TOT OBS | 310    | 281    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3651   |
| 12           | MEAN    | 1021.8 | 1019.1 | 1015.4 | 1013.7 | 1012.1 | 1013.4 | 1014.7 | 1015.0 | 1015.4 | 1017.2 | 1018.2 | 1020.7 | 1016.4 |
|              | SD      | 7.721  | 7.579  | 7.640  | 6.900  | 5.457  | 4.032  | 2.690  | 3.043  | 4.787  | 5.844  | 7.212  | 8.525  | 6.893  |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 15           | MEAN    | 1019.1 | 1016.5 | 1012.7 | 1011.4 | 1010.1 | 1011.6 | 1012.8 | 1012.8 | 1013.1 | 1014.9 | 1015.9 | 1018.4 | 1014.1 |
|              | SD      | 7.720  | 7.488  | 7.959  | 6.999  | 5.509  | 4.022  | 2.723  | 3.087  | 4.889  | 5.841  | 7.272  | 8.449  | 6.831  |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 18           | MEAN    | 1019.4 | 1016.4 | 1012.3 | 1010.7 | 1009.1 | 1010.4 | 1011.5 | 1011.8 | 1012.6 | 1014.9 | 1016.3 | 1018.9 | 1013.7 |
|              | SD      | 7.643  | 7.305  | 7.827  | 6.955  | 5.483  | 4.020  | 2.712  | 3.084  | 4.969  | 5.825  | 7.236  | 8.188  | 7.010  |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 309    | 300    | 310    | 300    | 310    | 3651   |
| 21           | MEAN    | 1020.6 | 1017.8 | 1013.8 | 1012.2 | 1010.5 | 1011.6 | 1012.6 | 1013.1 | 1014.1 | 1016.1 | 1017.5 | 1020.1 | 1015.0 |
|              | SD      | 7.568  | 7.319  | 7.620  | 6.730  | 5.426  | 3.668  | 2.710  | 3.073  | 4.942  | 5.861  | 7.166  | 8.072  | 6.913  |
|              | TOT OBS | 310    | 282    | 310    | 300    | 310    | 300    | 310    | 309    | 300    | 310    | 300    | 310    | 3651   |
| ALL<br>HOURS | MEAN    | 1020.6 | 1017.8 | 1014.1 | 1012.6 | 1011.0 | 1012.3 | 1013.5 | 1013.8 | 1014.3 | 1016.2 | 1017.3 | 1019.8 | 1015.3 |
|              | SD      | 7.700  | 7.605  | 7.797  | 6.923  | 5.616  | 4.166  | 2.961  | 3.232  | 4.964  | 5.955  | 7.263  | 8.344  | 6.940  |
|              | TOT OBS | 2480   | 2255   | 2480   | 2400   | 2480   | 2400   | 2480   | 2478   | 2400   | 2480   | 2400   | 2480   | 29213  |



END

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